Animal Reproduction Systems

A Division of Dupree, Inc.

2013 Catalog

ARS®

Reproduction products for the equine professional

Welcome to Animal Reproduction Systems

To Our Valued Customers:

Animal Reproduction Systems (ARS) is proud to offer this catalog and the products listed in it as our contribution toward advancing the practice of Equine Reproduction in the equine industry. ARS is a Division of Dupree, Inc., a company with deep roots in the aerospace industry. Dupree, Inc., founded in 1958, continues to be a leader in the design and manufacture of aircraft and aerospace components. By transferring our technology, and applying engineering science, high-tech electronics, and quality manufacturing processes and capabilities, ARS sets industry standards for animal breeding products.

In 1980 ARS created its first product, the Model 534A Densimeter, known in the industry as the "Blue Box" Stallion Sperm Counter. In keeping with our practice as a state-of-the-art manufacturing firm, continuing improvements were made and our current Densimeter models are completely digital with enhanced performance capabilities and a computer interface.

This catalog features several new products pictured below. Our goal is to continually develop new and innovative products, meeting the needs and technology changes of the equine industry. Our Research and Development activities are ongoing, and have resulted in new equipment used in breeding programs for other animal species as well.

Our engineering department works cooperatively with leading universities, private laboratories, and successful horsemen. All of our products are tested individually or by batch sampling to ensure that our customers receive high quality, biologically safe, and easy to use products. Our friendly and knowledgeable staff welcomes your inquiries and the opportunity to be your supplier.

The past year has been particularly challenging for many people, and we recognize that our success comes from the support of our loyal cutomers. Thank you for doing business with ARS, and best wishes for a successful breeding season.

From the entire staff at Animal Reproduction Systems

NEW FOR 2013

ARS BLUE™
Semen Extender

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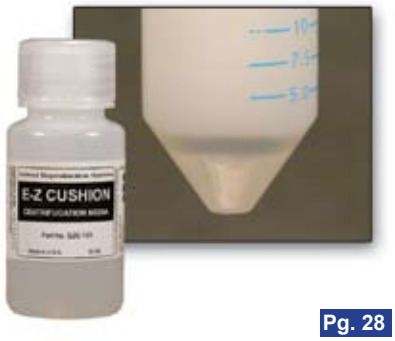
E-Z CUSHION™
Centrifugation Media



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5 Easy Ways To Order!

See Ordering and Shipping Information on page 43

Phone

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Mail

Sales Department
Animal Reproduction Systems
P.O. Box 1797
Chino, CA 91708

Visit Our Facility

Animal Reproduction Systems
14395 Ramona Ave.
Chino, CA 91710

Please call prior to your visit to place order.

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Misc.

CSU Model Equine Artificial Vagina Kits

The CSU Model Equine Artificial Vagina Kit contains everything needed to collect stallion semen for an equine artificial insemination program. Both Standard and Deluxe kits are available in two different AV case lengths (19" and 22") and two AV case styles. The SAV-103 style cases feature a smaller rubber cuff which allows easier installation of reusable latex products. The original SAV-102 style CSU Model AV case, with larger padded cuff, is also available.

The Standard Kits contain an Artificial Vagina Case and all equipment required to collect stallion semen. In addition, the Standard Kit includes all disposable supplies required for the first 25 collections. Additional disposable and replacement supplies may be ordered in convenient quantities as required.

The Deluxe Kits contain everything included in the Standard Kit and two additional items. The first item is the E-Z Boy® AV Assembly Stand which provides a convenient workplace for assembly of the CSU Model AV (22" AV Case only). The second additional item is the Collection Bottle Cover Warmer. This Cover Warmer pre-heats the Collection Bottle Cover to the appropriate temperature to ensure best results. **Please contact ARS if you require the Collection Bottle Warmer for 230V.**

The CSU Model Equine Artificial Vagina is sold by Animal Reproduction Systems under exclusive license with the Colorado State University Foundation. The CSU Model Artificial Vagina is the product of joint research and testing by Animal Reproduction Systems and the Colorado State University Animal Reproduction and Biotechnology Laboratory.

Selecting The Correct AV Length:

The proper Select Fit AV Casing for a stallion should be at least two inches longer than the length of the stallion's penis at the time of maximum erection. In selecting an AV Casing, measure your stallion from the abdominal wall to the tip of the penis.

Standard Equine Artificial Vagina Kit

- **Easy to clean**
- **Maintains temperature for extended periods**
- **Dual Liner/Bladder prevents water contamination of semen**
- **Choice of two AV Case styles**
- **Choice of two AV Case lengths**

Part Number	*Description*	*Price*
EAVK-110	22" Artificial Vagina Kit w/small cuff end	**$579.60**
EAVK-100	22" Artificial Vagina Kit w/large cuff end	**$579.60**
EAVK-111	19" Artificial Vagina Kit w/small cuff end	**$579.60**
EAVK-101	19" Artificial Vagina Kit w/large cuff end	**$579.60**

The Standard Equine Artificial Vagina Kit includes:

Qty.	*Description*	*22" AV KITS*	*19" AV KITS*
1	Equine AV Case and Filler Cap	SAV-103 or SAV-102	SAV-103-19 or SAV-102-19
2	Tubular Latex Rubber Bladder	SAVB-104	SAVB-104-19
1	Rubber Bands (10/pkg.)	RB-7/10	RB-7/10
1	Reusable Latex Collection Liner, Straight	RAVL-102	RAVL-102-19
1	Reusable Latex Collection Liner, Flared	RAVL-103	n/a
1	Reusable Latex Collection Liner, Round, Creaseless	RAVL-201	RAVL-201-19
1	Disposable Collection Liners, Extra Soft (25/pkg.)	SAVL-102/25	SAVL-102-19/25
1	Disposable Nylon Mesh Gel Filter (25/pkg.)	SAVF-102/25	SAVF-102/25
1	Disposable Collection Bottle, 200ml (25/box)	SCB-200/25	SCB-200/25
1	Collection Bottle Coupling Nut (25/pkg.)	SCN-101/25	SCN-101/25
1	Surgilube® Lubricating Jelly (4.25 oz. tube)	SSL-101	SSL-101
1	Priority Care Lubricating Jelly (5 oz. tube)	PCSL-101	PCSL-101
1	Collection Bottle Cover	CBC-101	CBC-101
1	Plastic Clamp, 45 mm	BPC-118	BPC-118
1	Plastic Clamp, 165mm	BPC-165	BPC-165
1	Vinyl Wrist Length Exam Gloves, (25 small, 25 medium, 25 large)	WLVG-108-ASSORT	WLVG-108-ASSORT
1	Super-Sensitive Shoulder Length Glove, 34" Std. Hand (200/box)	SLG-108-Box/200	SLG-108-Box/200
1	Rolled Utility Cotton	RUC-101	RUC-101
1	Thermometer	THM-104	THM-104
1	"Techniques In Equine Reproduction"	537-342	537-342

Deluxe Equine Artificial Vagina Kit

- **Easy to clean**
- **Maintains temperature for extended periods**
- **Includes Collection Bottle Cover Warmer**
- **Dual Liner/Bladder prevents water contamination of semen**
- **E-Z Boy® AV Assembly Stand included with 22" AV Kit**
- **Choice of two AV Case styles**
- **Choice of two AV Case lengths**

Part Number	*Description*	*Price*
EAVK-210	22" Deluxe Artificial Vagina Kit w/small cuff	**$754.50**
EAVK-200	22" Deluxe Artificial Vagina Kit w/large cuff	**$754.50**
EAVK-211	19" Deluxe Artificial Vagina Kit w/small cuff	**$688.50**
EAVK-201	19" Deluxe Artificial Vagina Kit w/large cuff	**$688.50**

The Deluxe Equine Artificial Vagina Kit includes:

Qty.	*Description*	*22" AV KITS*	*19" AV KITS*
1	Equine AV Case and Filler Cap	SAV-103 or SAV-102	SAV-103-19 or SAV-102-19
2	Tubular Latex Rubber Bladder	SAVB-104	SAVB-104-19
1	Rubber Bands (10/pkg.)	RB-7/10	RB-7/10
1	Reusable Latex Collection Liner, Straight	RAVL-102	RAVL-102-19
1	Reusable Latex Collection Liner, Flared	RAVL-103	n/a
1	Reusable Latex Collection Liner, Round, Creaseless	RAVL-201	RAVL-201-19
1	Disposable Collection Liners, Extra Soft (25/pkg.)	SAVL-102/25	SAVL-102-19/25
1	Disposable Nylon Mesh Gel Filter (25/pkg.)	SAVF-102/25	SAVF-102/25
1	Disposable Collection Bottle, 200ml (25/box)	SCB-200/25	SCB-200/25
1	Collection Bottle Coupling Nut (25/pkg.)	SCN-101/25	SCN-101/25
1	Surgilube® Lubricating Jelly (4.25 oz. tube)	SSL-101	SSL-101
1	Priority Care Lubricating Jelly (5 oz. tube)	PCSL-101	PCSL-101
1	Collection Bottle Cover	CBC-101	CBC-101
1	Plastic Clamp, 45 mm	BPC-118	BPC-118
1	Plastic Clamp, 165mm	BPC-165	BPC-165
1	Vinyl Wrist Length Exam Gloves, (25 small, 25 medium, 25 large)	WLVG-108-ASSORT	WLVG-108-ASSORT
1	Super-Sensitive Shoulder Length Glove, 34" Std. Hand (200/box)	SLG-108-Box/200	SLG-108-Box/200
1	Rolled Utility Cotton	RUC-101	RUC-101
1	Thermometer	THM-104	THM-104
1	"Techniques In Equine Reproduction"	537-342	537-342

Plus:

1	Collection Bottle Cover Warmer	562B-101	562B-101
1	E-Z Boy® AV Assembly Stand	EZB-101	n/a

Be Sure to Visit the ARS Website!

- **Shop Online**
- **See the latest ARS products**
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www.arssales.com

CSU Model™ Artificial Vagina Cases

The availability of different AV Case sizes allows for a more effective fit for each individual stallion. Scientific research has proven that a properly fitted AV permits the stallion to ejaculate into the tapered end of the combination liner and cone, thus decreasing the number of spermatozoa lost in the collection equipment. It also reduces the possibility of heat damage to the spermatozoa when semen is improperly collected. A reduced length AV weighs less and allows for easier manipulation of the device during seminal collection. All Select Fit AV Cases are made of light-weight, high-strength plastic and include an integral handle, filler spout and removable cap. AV Cases may be special ordered for collection of the horse from the right side or without a handle.

The SAV-103 Model AV Cases have a small cuff on both ends. The smaller cuff allows for easier installation of reusable latex products. The original style SAV-102 Model AV Cases have a larger cuff on the end from which the stallion enters.

See page 4 for instructions on selecting the AV Case length.

Part Number	*Description*	*Price*
SAV-103	22” Artificial Vagina Case & Filler Cap	**$272.60**
SAV-103-19	19” Artificial Vagina Case & Filler Cap	**$272.60**
SAV-103-15	15” Artificial Vagina Case & Filler Cap	**$272.60**
SAV-103-12	12” Artificial Vagina Case & Filler Cap	**$272.60**
SAV-102	22” AV Case with Large Cuff & Filler Cap	**$272.60**
SAV-102-19	19” AV Case with Large Cuff & Filler Cap	**$272.60**
SAV-102-15	15” AV Case with Large Cuff & Filler Cap	**$272.60**
SAV-102-12	12” AV Case with Large Cuff & Filler Cap	**$272.60**
Replacement Parts		
AVFC-101	Replacement Filler Cap	**$2.85**

Three SAV-103 Model AV Cases and one SAV-102 Model AV Case.

Tubular Latex Bladder & Rubber Bands

The Tubular Latex Bladder acts as the water retention barrier inside the AV Case. Two 7” x 5/8” Rubber Bands are required to secure the Bladder to the AV Case. Tubular Latex Bladders are molded from natural latex rubber and available in four different sizes to fit each of the Select Fit AV’s.

Part Number	*Description*	*Price*
SAVB-104	Latex Bladder Fits 22” AV	**$85.50**
SAVB-104-19	Latex Bladder Fits 19” AV	**$85.50**
SAVB-104-15	Latex Bladder Fits 15” AV	**$85.50**
SAVB-104-12	Latex Bladder Fits 12” AV	**$85.50**
RB-7/10	Rubber Bands, (10/pkg.)	**$4.30**

Disposable Collection Liner

Disposable Collection Liners are made with a tapered end to connect to the Collection Bottle and a flared end for easy assembly on the AV Case. They are made from soft, flexible plastic film. The disposable collection liner is available in a choice of two plastic formulas to accommodate the stallion’s preference. Disposable Liners are available for the 22” and 19” AV Cases.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
SAVL-101/25	22” Standard (25/pkg.)	**$24.30**	**$23.09**	**$21.87**
SAVL-101-19/25	19” Standard (25/pkg.)	**$24.30**	**$23.09**	**$21.87**
SAVL-102/25	22” Extra Soft (25/pkg.)	**$25.75**	**$24.46**	**$23.18**
SAVL-102-19/25	19” Extra Soft (25/pkg.)	**$25.75**	**$24.46**	**$23.18**

Reusable Latex Collection Liners

Reusable Latex Collection Liners are available in three styles for the CSU Model Artificial Vagina, and are preferred by many stallions over the disposable collection liners. In rare cases, however, use of a Reusable Latex Collection Liner may reduce sperm motility. To minimize this effect, latex liners must be pre-conditioned prior to the first use, and correctly washed after each subsequent use. Included with each shipment are the recommended procedures for the pre-conditioning process, which will take approximately two days. Please refer to ARS' web site for cleaning instructions for liners.

Also available are "Ready-to-Use" Reusable Latex Liners. These liners have already been pre-conditioned and will not require any additional preparation prior to the first use.

Round Reusable Latex Collection Liner:

The Round Reusable Latex Collection Liner is made on a 4.25" diameter round form that produces a "creaseless" liner with a tapered end which connects to the Collection Bottle. Round Liners are available for all four Select Fit AV Case lengths.

Part Number	*Description*	*Price*
RAVL-201	22" Reusable Liner, Round	**$97.00**
RAVL-201-19	19" Reusable Liner, Round	**$97.00**
RAVL-201-15	15" Reusable Liner, Round	**$97.00**
RAVL-201-12	12" Reusable Liner, Round	**$97.00**

"Ready to Use" Reusable Liners

Part Number	*Description*	*Price*
RAVL-201-RTU	22" Ready to Use Reusable Liner, Round	**$124.75**
RAVL-201-19-RTU	19" Ready to Use Reusable Liner, Round	**$124.75**
RAVL-201-15-RTU	15" Ready to Use Reusable Liner, Round	**$124.75**
RAVL-201-12-RTU	12" Ready to Use Reusable Liner, Round	**$124.75**

Flared Reusable Latex Collection Liner:

The Flared Reusable Latex Collection Liner has a tapered end for connection to the Collection Bottle, and a flared end designed for easier assembly on the AV Case. Flared Collection Liners are available for the 22" AV Cases only.

Part Number	*Description*	*Price*
RAVL-103	22" Reusable Liner, Flared	**$85.50**

Straight Reusable Latex Collection Liner:

The Straight Reusable Latex Collection Liners are 7" wide and have a tapered end that connects to the Collection Bottle. Straight Liners are made on a flat form. Straight Liners are available for all four Select Fit AV Case lengths.

Part Number	*Description*	*Price*
RAVL-102	22" Reusable Liner, Straight	**$85.50**
RAVL-102-19	19" Reusable Liner, Straight	**$85.50**
RAVL-102-15	15" Reusable Liner, Straight	**$85.50**
RAVL-102-12	12" Reusable Liner, Straight	**$85.50**

"Ready to Use" Reusable Liners

Part Number	*Description*	*Price*
RAVL-102-RTU	22" Ready to Use Reusable Liner, Straight	**$109.80**
RAVL-102-19-RTU	19" Ready to Use Reusable Liner, Straight	**$109.80**
RAVL-102-15-RTU	15" Ready to Use Reusable Liner, Straight	**$109.80**
RAVL-102-12-RTU	12" Ready to Use Reusable Liner, Straight	**$109.80**

These quality latex products are guaranteed against defects in material or construction. Any item that we determine to be defective will be replaced at no cost. Damage due to misuse or improper care is not covered, nor is wear and tear. It is important to keep in mind that these products may wear out rapidly if they are subjected to severe use or uses for which they were not intended.

200ml Disposable Collection Bottle

The 200ml Disposable Collection Bottle serves as a receptacle for semen. The Disposable Collection Bottle has printed graduations in 2ml increments to help measure the volume of the collection. The Collection Bottle is specifically designed to connect to the Disposable Nylon Mesh Gel Filters, Disposal Coupling Nuts and the 45mm Clamps.

Part Number	*Description*	*Price*
SCB-200/25	200ml (25/box)	**$26.40**
SCB-200/100	200ml (100/case)	**$102.96**

Disposable Collection Bottle Caps

The Disposable Collection Bottle Cap is used to seal the 200 and 300ml Disposable Collection Bottle to prevent accidental spilling. Disposable Collection Bottle Caps are available in bags of 100.

Part Number	*Price*
CAP-102/100 (100/bag)	**$18.25**

Disposable Coupling Nuts

The Disposable Coupling Nut is used to connect the Disposable Collection Liner to the Disposable Collection Bottle. Sold in bags of 100.

Part Number	*Price*
SCN-101/100 (100/bag)	**$20.80**

Collection Bottle Cover Warmer

The Collection Bottle Cover Warmer is designed to pre-warm the Collection Bottle Cover to the appropriate temperature for protection of the spermatozoa immediately after collection. The Collection Bottle Cover Warmer contains a solid state temperature control which is factory calibrated to 98.6°F (37° C). For foreign purchases, a 230V model is available.

Part Number	*Price*
562B-101 (115V)	**$131.90**
562B-102 (230V)	**$131.90**

Collection Bottle Cover

The Collection Bottle Cover is used to keep the Disposable Collection Bottle at the appropriate temperature during semen collection, and protects the semen from exposure to sunlight. It features a rugged nylon shell with polyester fiberfill insulation.

Part Number	*Price*
CBC-101	**$42.70**

Adjustable Plastic Clamps

The Large (165 mm) Adjustable Plastic Clamp is used to secure the Disposable Collection Liner to the AV Case.

The Small (45 mm) Adjustable Plastic Clamp is used for securing the tapered end of the Reusable Latex Collection Liner to the Disposable Collection Bottle.

Part Number	*Description*	*Price*
BPC-165	165 mm Clamp	**$9.45**
BPC-118	45 mm Clamp	**$2.75**

Disposable Nylon Mesh Gel Filter

The Disposable Nylon Mesh Gel Filter is made from a non-absorbent, nylon mesh and fits inside the Disposable Collection Bottle. The Disposable Gel Filter allows the sperm-rich fraction of the ejaculate to pass into the Disposable Collection Bottle, while the excess gel, smegma and debris are captured for easy disposal. Sold in bags of 25.

	Quantity Price Breaks		
Part Number	*1 - 4*	*5 - 9*	*10+*
SAVF-102/25 (25/bag)	**$57.75**	**$54.86**	**$51.98**

E-Z Boy® Artificial Vagina Assembly Stand

The E-Z Boy® Artificial Vagina Assembly Stand provides a convenient workplace for the assembly of the 22" CSU Model AV. The stand is lightweight (10 lbs. assembled), durable and constructed for quick assembly. Designed to cradle the 22" AV, the E-Z Boy® AV Assembly Stand allows the 360° rotation of the AV for easy bladder and liner installation. Its wide stance provides tip-over resistance and adjustable safety straps hold the AV firmly in place.

Part Number	*Description*	*Price*
EZB-101	E-Z Boy® AV Assembly Stand	**$143.20**

Thermometer

The ARS Thermometer is designed to measure the temperature of the Artificial Vagina or Water Bath. The Thermometer has a 2" diameter dial and an 8" stem with the temperature sensor placed in the final 2". The dial indicates 0°-100°C and is marked with color bands for easy identification of important temperature ranges. A metal clip is included to hold the Thermometer during use with the Water Bath. Instructions for calibration are included.

Part Number	*Price*
THM-104	**$48.50**

AV-Fill Thermometer

The ARS AV-Fill Thermometer is designed to monitor the temperature of the water used to fill the Artificial Vagina. It attaches to any faucet with a standard 3/4" garden hose thread. A faucet adapter (not included) may be required to fit the AV-Fill Thermometer to other faucet thread configurations. The thermometer has a 2" diameter dial which indicates 0°-100°C and is marked with color bands for easy identification of important temperature ranges. Included is 4 feet of clear plastic tubing to allow quick and easy filling of the AV once the faucet water has reached the appropriate temperature. Instructions for use and calibration are included.

Part Number	*Price*
AVFT-101	**$132.90**

Pre-assembled Disposable Artificial Vagina Liner Kits

Disposable AV Liner Kits are a convenient way to purchase disposable supplies for the CSU Model Artificial Vagina. Each pre-assembled kit includes a Disposable Collection Liner (Disposable Liner or Extra Soft Disposable Collection Liner), Disposable Nylon Mesh Gel Filter, Disposable Collection Bottle (200ml or 300ml) and a Disposable Coupling Nut.

Individual Kits with Regular Liners:

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
DAVLA-103	Pre-assembled Kits, 200ml Bottle for 22" AV	**$6.80**	**$6.46**	**$6.12**
DAVLA-107	Pre-assembled Kits, 200ml Bottle for 19" AV	**$6.80**	**$6.46**	**$6.12**

Individual Kits with Extra Soft Liners:

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
DAVLA-104	Pre-assembled Kits, 200ml Bottle for 22" AV	**$6.80**	**$6.46**	**$6.12**
DAVLA-108	Pre-assembled Kits, 200ml Bottle for 19" AV	**$6.80**	**$6.46**	**$6.12**

Case of 25 with Regular Liners:

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
DAVLA-103/25	25 Pre-assembled Kits, 200ml Bottle for 22" AV	**$152.25**	**$144.64**	**$137.03**
DAVLA-107/25	25 Pre-assembled Kits, 200ml Bottle for 19" AV	**$152.25**	**$144.64**	**$137.03**

Case of 25 with Extra Soft Liners:

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
DAVLA-104/25	25 Pre-assembled Kits, 200ml Bottle for 22" AV	**$152.25**	**$144.64**	**$137.03**
DAVLA-108/25	25 Pre-assembled Kits, 200ml Bottle for 19" AV	**$152.25**	**$144.64**	**$137.03**

13qt Stainless Steel Pail

A pail is used in the stallion cleaning process before collection. This 13 qt pail is made of seamless stainless steel.

Part Number	*Price*
SSP-13	**$33.10**

ARS Twitch

This restraint device is designed for use in breeding situations where control of the mare is necessary. The ARS Twitch has a rope end and a 36" hardwood handle.

Part Number	*Price*
ET36-125	**$42.90**

Surgilube® Lubricating Jelly

Surgilube® is Colorado State University's recommended lubricant for semen collection, artificial insemination, and gynecological exams.

Surgilube® offers superior lubricating qualities and is sterile. This product is ideal for lubricating AV liners, AI procedures or other operations where lubrication is necessary.

Part Number	*Description*	*Price*
SSL-101/12	4.25 oz. Tube (12/box)	**$44.90**
SSL-101/144	4.25 oz. Tube (144/case)	**$497.80**

Priority Care Non-Spermicidal Sterile Lubricating Jelly

Priority Care Non-Spermicidal Sterile Lubricating Jelly may be used as an alternate lubrication in semen collection, artificial insemination, and gynecological exams. Bland lubricating qualities aid in minimizing irritation to an animal's membranes. For animal use only.

Part Number	*Description*	*Price*
PCSL-101/12	5 oz. Tube (12/Box)	**$34.70**
PCSL-101/72	5 oz. Tube (72/case)	**$192.00**

Mare Breeding Hobbles

Breeding Hobbles are designed to restrain the mare during breeding activities. Redesigned in 2003, the Mare Breeding Hobbles are durable and easy to use. The Hobbles are constructed of nylon webbing with fleece-lined Hock Straps. The Rope Assembly features a panic snap on each end for quick release.

Part Number	*Description*	*Price*
542S-400	Mare Breeding Hobbles, Small	**$445.50**
542A-400	Mare Breeding Hobbles, Average	**$445.50**
542L-400	Mare Breeding Hobbles, Large	**$451.00**
Replacement Parts		
542A-401	Collar Assembly	**$113.85**
542A-402	Breast Strap Assembly	**$116.70**
542S-403	Hock Strap Assembly, Small Size	**$93.60**
542A-403	Hock Strap Assembly, Average Size	**$93.60**
542A-404	Rope Assembly, Average Size	**$75.15**
542L-404	Rope Assembly, Large Size	**$86.60**
542-406	User's Guide	**N/C**

Mare Breeding Hobbles Part Number

	Mare Size	**Small** 12-14 Hands 500-800 lb	**Average** 14-16 Hands 800-1200 lb	**Large** Above 16 Hands Above 1200 lb
	Mare Breeding Hobbles Part Number	**542S-400**	**542A-400**	**542L-400**
Replacement Parts	*Color*			
542A-401 Collar Assembly	Black	√	√	√
542A-402 Breast Strap Assembly	Black	√	√	√
542A-403 Hock Strap, Small	Black	√		
542A-403 Hock Strap, Average	Black		√	√
542A-404 Rope Assembly, Average	White with Blue Specks	√	√	
542L-404 Rope Assembly, Large	Red with White Specks			√
542-406A User's Guide		√	√	√

Selecting The Correct Hobble Size:

To select the correct size hobbles for the mare, two measurements should be made. First, measure the mare's height in hands from the ground to the top of the withers. Next, weigh the mare using either a livestock scale or weight tape. Refer to the chart to select the correct size.

Breeding Phantom

Breeding Phantoms are available in contoured and non-contoured body styles. The contoured style allows for easier access with the A.V. during collection. The contoured phantom body is 6 feet long and 21 inches in diameter. The regular breeding phantom is 6 feet long and 20 inches in diameter.

Both style phantoms are covered with 22 oz. heavy duty vinyl coated polyester fabric. The cover is stretched to fit the body. The cover is available in Black, Brown, and Gray.

The front and rear legs have an independent height adjustment system. This allows you to easily adjust the height and angle of the phantom. The angle is adjustable from level to around 20 degrees. We recommend that you set the height of the mounting end at the approximate height of a mare that your stallion would breed.

Assembly is simple! The legs and body are assembled individually. After the leg sleeves are set in concrete, the legs are attached to the body. This requires only one bolt per leg and the bolts are included in the shipment.

The Breeding Phantom is warranted by the manufacturer for a full three years.

Optional fleece covers are available in two styles. The standard cover fits over the mid-section of the Breeding Phantom and provides increased comfort for the stallion. A deluxe version features added “hips” for more secure mounting.
The fleece cover measures 40 inches long by 4 feet wide at its mid point. Total length of straps, measured from attachment buckle to end of strap is 6 feet 6 inches.

A leather covered breeding blanket is also available for your phantom. Same great quality as the fleece covers, but with tanned leather instead of fleece material. Leather has shown to reduce the irritation to forelegs associated with frequent trips to the phantom. Available with or without hips.

Part Number	*Description*	*Price*
BP-C-BK	Contour Breeding Phantom, Black	**$2,687.00**
BP-C-GY	Contour Breeding Phantom, Gray	**$2,687.00**
BP-R-BK	Regular Breeding Phantom, Black	**$2,466.50**
BP-R-GY	Regular Breeding Phantom, Gray	**$2,466.50**
BP-FC	Fleece Cover	**$283.50**
BP-FCH	Fleece Cover with “Hips”	**$351.80**
BP-BB	Bite Bar for Phantom	**$393.80**
BP-LBB	Leather Breeding Blanket, no “Hips”	**$404.30**
BP-LBBH	Leather Breeding Blanket, with “Hips”	**$556.50**

Due to size and weight considerations, please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

591B Equine Densimeter

- **User Friendly**
- **Self Calibrating**
- **Built-in "Expert System"**
- **Automatic Calculations**

The model 591B Densimeter is a multipurpose instrument capable of quick, accurate estimations of stallion sperm concentration and/or foal IgG antibody levels. Each Densimeter kit is pre-loaded with the calibrations necessary for the specified operation. The 591B Densimeter can hold up to eight calibrations at a time and additional calibrations may be purchased and loaded as needed. Alternate species and other unique calibrations are available for Bulls, Boars, Roosters, and Turkeys.

The 591B Densimeter is housed in a sturdy, lightweight plastic casing, measuring 9" x 8" x 4" with an approximate weight of 2 lbs. The front panel consists of a 20-button keypad and an illuminated liquid crystal display (LCD) panel. Located on the back is the power switch, power receptacle and a USB communications port.

The 591B Densimeter is sold as a kit which includes all equipment and supplies for the specified use. The 591B Densimeter kit includes a universal power supply (120V / 240V operation), instruction manual, required peripheral equipment, Calibration Loader CD, and a copy of the ARS publication, "Techniques In Equine Reproduction". Additional species calibrations, semen processes or alternate tests may be purchased separately from Animal Reproduction Systems.

The 591B Densimeter features a temperature stabilized Specimen Compartment which increases accuracy in some applications and built-in Data Storage to store test results. An audible alarm is built-in to announce when a test is complete. In addition, automatic calibration adjustments are performed before each test, eliminating the need for any additional calibration procedures.

Included on the Calibration Loader CD is the Densimeter Data Utility. This utility program downloads test data from the 591B Densimeter and stores the results into Excel spreadsheets or advanced database applications.

591B Stallion Sperm Counter Kit

The 591B Densimeter with the stallion calibration is designed to quickly and accurately estimate sperm concentration and automatically perform all calculations required to create appropriate insemination doses. A built-in "Expert System" provides simple step-by-step instructions for evaluating semen for both on-farm (Immediate Use) and Cooled Storage / Transported (Cooled and Shipped) doses. These instructions follow semen processing protocols developed by the Colorado State University Animal Reproduction and Biotechnology Laboratory.

Both semen processing protocols use the measured sperm concentration and two user entered values (gel-free semen volume and progressive motility) as input for insemination dose calculations. The built-in Expert System recommends the number of progressively motile sperm cells, calculates the total number of available doses, volume of gel-free semen and recommended volume of extender for each insemination dose. All parameters used in these calculations can be easily modified to provide maximum flexibility for the skilled equine practitioners.

The Stallion Sperm Counter kit includes the 591B Densimeter, E-Z Records™ Version 2.0, stallion sperm concentration calibration and all equipment and supplies for the first 100 tests.

Part Number	*Description*	*Price*
DENK-901	591B Stallion Sperm Counter Kit	**$3,228.50**

The 591B Stallion Sperm Counter Kit (DENK-901) includes:

Qty.	*Description*	*Part Number*
1	591B Equine Densimeter	591B-MOD2
1	180 ul Fixed Volume Positive Displacement Pipette	594KR-1800
1	Disposable Pipette Tips (100/rack)	594TR-R/100
1	Formalin Dispenser	537-202
1	Disposable Plastic Cuvettes (100/box)	537-204/100
1	Disposable Plastic Cuvette Caps (100/pkg.)	537-205/100
1	Formalin 10 Solution	FRM-101
1	591B Instruction Manual	591B-135
1	Calibration Loader CD	591B-137
1	591B Power Supply and Cord	537-684
1	USB 2.0 Cable	537-796
1	Kimwipes® (Not Shown)	537-669
1	"Techniques In Equine Reproduction"	537-342
1	E-Z Records™ Version 2.0	534B-170-V2.00

591B IgG Analyzer Kit

A newborn foal is entirely dependent on maternal antibodies, absorbed following ingestion of colostrum, from its dam in the first few hours of life for immune protection. Failure of the passive transfer of maternal antibodies puts the foal at significant risk of infectious diseases. Monitoring the success of passive transfer by measuring levels of IgG in the blood of neonatal foals is critical if early intervention and treatment is required.

The 591B Densimeter, when loaded with the Foal IgG Calibration, provides a quick and accurate on-site measurement of the foal's immunoglobulin G (IgG) level. This test utilizes a small sample of the foal's blood to determine the concentration of IgG present at the time of the test.

The 591B Densimeter display shows step-by-step prompts which guide the operator through the IgG test. Automatic temperature stabilization of the test compartment insures maximum accuracy in low temperature environments. The entire IgG test takes approximately 15 minutes and provides an accurate numeric result (mg/dl). There are no color change charts or need to estimate degree of agglutination with this test.

The Foal IgG Analyzer Kit includes the 591B Densimeter listed on the previous page, Foal IgG Concentration calibration, and all equipment and supplies needed for the first 20 tests. Each kit includes pre-filled measurement and dilution cuvettes which minimize on-site setup time and help insure accurate results. Additional Foal IgG Test Supply Kits are sold with all supplies needed for ten (10) tests.

ARS recommends that this test and treatment of foals with inadequate passive transfer be done under the direction of their veterinarian.

Part Number	*Description*	*Price*
DENK-925	591B Foal IgG Analyzer Kit	**$3,228.50**

The 591B Foal IgG Analyzer Kit (DENK-925) includes:

Qty.	*Description*	*Part Number*
1	591B Equine Densimeter	591B-MOD2
1	180 ul Fixed Volume Positive Displacement Pipette	594KR-1800
2	Foal IgG Test Supply Kit	IGG-101-KIT
1	591B Foal IgG Instruction Manual (Not Shown)	591B-135-21
1	591B Power Supply and Cord	537-684
1	USB Cable	537-796
1	Calibration Loader CD	591-138
1	Kimwipes® (Not Shown)	537-669
1	"Techniques In Equine Reproduction"	537-342
1	ARS Foal IgG Poster	IGG-101-POST

Because the serum must be kept refrigerated, this item must be shipped using a 2-Day service. (*See Below)

591 Series Densimeter Foal IgG Upgrade

The 591 Densimeter may be upgraded to measure both sperm concentrations and foal IgG levels. Once loaded, the operator may choose between sperm concentration and foal IgG measurements by simply selecting the desired operation. Current 591 owners may purchase the 591a Densimeter Foal IgG Upgrade (IGG-101-591A-UG) or the 591B upgrade(IGG-101-591B-UG), depending on which model densimeter they own. Both upgrade kits include the IgG Calibration CD, Instruction Manual, Foal IgG Poster and supplies for the first 10 tests.

Part Number	*Description*	*Price*
IGG-101-591B-UG	591B Densimeter Foal IgG Upgrade	**$357.50**
IGG-101-591A-UG	591a Densimeter Foal IgG Upgrade	**$357.50**

The 591 Series Densimeter Foal IgG Upgrade Kit (IGG-101-591B-UG or IGG-101-591A-UG) includes:

Qty.	*Description*	*Part Number*
1	Foal IgG Test Supply Kit	IGG-101-KIT
1	Calibration Loader CD	591-137
1	Instruction Manual	591B-135-21/ 591A-135-21
1	ARS Foal IgG Poster	IGG-101-POST

*ARS recommends that the Foal IgG Test Supply Kit/Upgrade be in transit no more than two (2) days. It has been shown that extended exposure to excessive heat may damage one of the kit components (the Anti-Equine IgG Serum). Please select the appropriate shipping method to meet the two (2) day recommendation. The customer should take into consideration the day of the week the product will be shipped when choosing a shipping method.

Shipping Day	Shipping Method
Monday*	2 Day Service
Tuesday*	2 Day Service
Wednesday*	2 Day Service
Thursday*	Next Day Service
Friday* *Orders received by 10:00am can ship the same day	Next Day Service (Monday delivery acceptable)

590B Equine Densimeter

- **Portable**
- **Self Calibrating**
- **Built-in Battery Charger charges nickel metal hydride batteries**

The 590B Densimeter is a multipurpose instrument capable of quick, accurate estimations of stallion sperm concentration and/or foal IgG antibody levels. Each Densimeter kit is pre-loaded with the calibration for the specified operation. The 590B Densimeter can hold two calibrations at a time and additional calibrations may be purchased and loaded as needed. This Densimeter also includes a built-in function to directly display the optical transmission percentage of the sample. Alternate species calibrations are available for the 590B Densimeter to measure Bull, Boar, Canine, Rooster, and Turkey. sperm concentration.

The small size of the 590B Densimeter, approximately 7" x 5" x 3.5", and built-in battery charger make this an ideal device for mobile operations. The internal optical system is identical to the larger ARS Densimeters and provides the same accuracy and stability. The 590B Densimeter performs an automatic calibration before each test, eliminating the need for any additional calibration procedures.

All 590B kits includes a universal power supply (120V / 240V operation), instruction manual, required peripheral equipment, Calibration Loader CD, and a copy of ARS's publication "Techniques in Equine Reproduction". An adapter kit for foreign users is available and must be purchased separately.

Please contact Animal Reproduction Systems for pricing and availability of alternate species calibrations.

590B Stallion Sperm Counter Kit

The 590B Densimeter, with the stallion calibration, provides quick, affordable, and accurate sperm concentration measurements. This simple two button device has the same superior accuracy as all other ARS "Blue Box" Densimeters.

All calculations on processing semen must be performed manually unless the 590B Densimeter is connected to a computer running the optional E-Z Records™ Equine software. E-Z Records™ Equine software must be purchased separately.

The 590B Densimeter / E-Z Records™ Equine software combination will solve the same calculations performed by its larger cousin, the 591B Densimeter. This combination is also designed to keep track of information about the farm, stallions, collections, doses and booked mares for the user. Convenient reports on each collection, stallion, and mare may be printed, as well as dose shipment reports.

The Stallion Sperm Counter Kit includes the 590B Densimeter listed above, stallion sperm concentration calibration, and all equipment and supplies to perform the first 100 measurements. Replacement supplies are available and may be purchased in convenient quantities. ARS also offers a Foal IgG Upgrade Kit for the 590B Equine Sperm Counter which will allow it to measure both stallion semen concentration and foal IgG levels.

Part Number	*Description*	*Price*
DENK-1001	590B Stallion Sperm Counter Kit	**$2,189.00**

The 590B Stallion Sperm Counter Kit (DENK-1001) includes:

Qty.	*Description*	*Part Number*
1	590B Equine Densimeter	590B-MOD1
1	180 ul Fixed Volume Positive Displacement Pipette	594KR-1800
1	Disposable Pipette Tips (100/rack)	594TR-R/100
1	Formalin Dispenser	537-202
1	Disposable Plastic Cuvettes (100/pkg.)	537-204/100
1	Disposable Plastic Cuvette Caps (100/pkg.)	537-205/100
1	Formalin 10 Solution	FRM-101
1	590B Power Supply	537-811-PS
1	Calibration Loader CD	590-145
1	USB 2.0 Cable	537-796
1	AA Nickel Metal Hydride Batteries (4/pkg)	537-672/4
1	Kimwipes® (Not Shown)	537-669
1	"Techniques In Equine Reproduction"	537-342
1	590B Instruction Manual	590B-140

590B Foal IgG Analyzer Kit

A newborn foal is entirely dependent on maternal antibodies, absorbed following ingestion of colostrum, from its dam in the first few hours of life for immune protection. Failure of the passive transfer of maternal antibodies puts the foal at significant risk of infectious diseases. Monitoring the success of passive transfer by measuring levels of IgG in the blood of neonatal foals is critical if early intervention and treatment is required.

The 590B Densimeter, when loaded with the Foal IgG Calibration, provides a quick and accurate onsite measurement of the foal's immunoglobulin G (IgG) level. This test utilizes a small sample of the foal's blood to determine the concentration of IgG present at the time of the test. The 590B Densimeter provides an accurate numeric result (mg/dl) in approximately 15 minutes. There are no color change charts or need to estimate degree of agglutination with this test.

The Foal IgG Analyzer Kit includes the 590B Densimeter listed above, foal IgG concentration calibration, and all equipment and supplies for 20 Foal IgG measurements. Each kit includes pre-filled measurement and dilution cuvettes which minimize onsite setup time and help insure accurate results. Additional Foal IgG Test Kits are sold in quantities of ten (10) and include all required supplies to perform the measurement.

Testing Foal IgG with the 590B Densimeter should be done at a typical room temperature. If testing is to be done in a cold environment (below 10°C) the 591B Densimeter is recommended. ARS recommends that this test and treatment of foals with inadequate passive transfer be done under the supervision of their veterinarian.

An IgG upgrade kit is available to add the IgG capability to a previously purchased 590a or 590B Densimeter.

Part Number	*Description*	*Price*
DENK-1025	590B Foal IgG Analyzer Kit	**$2,189.00**

The 590B Foal IgG Analyzer Kit (DENK-1025) includes:

Qty.	*Description*	*Part Number*
1	590B Equine Densimeter	590B-MOD1
1	180 ul Fixed Volume Positive Displacement Pipette	594KR-1800
2	Foal IgG Test Supply Kit	IGG-101-KIT
1	590B Foal IgG Instruction Manual (Not Shown)	590B-140-21
1	USB 2.0 Cable	537-796
1	590B Power Supply	537-811-PS
1	AA Nickel Metal Hydride Batteries (4/pkg)	537-672/4
1	Calibration Loader CD	590-145
1	Kimwipes® (Not Shown)	537-669
1	"Techniques In Equine Reproduction"	537-342
1	ARS Foal IgG Poster	IGG-101-POST

Because the serum must be kept refrigerated, this item must be shipped using a 2-Day service. (*See Below)

590 Series Densimeter Foal IgG Upgrade

The 590 Densimeter may be upgraded to measure both sperm concentrations and foal IgG levels. Once loaded, the operator may choose between sperm concentration and foal IgG measurements by simply selecting the desired operation. Current 590 owners may purchase the 590a Densimeter Foal IgG Upgrade (IGG-101-590A-UG) or the 590B upgrade(IGG-101-590B-UG), depending on which model densimeter they own. Both upgrade kits include the IgG Calibration CD, Instruction Manual, Foal IgG Poster and supplies for the first 10 tests.

Part Number	*Description*	*Price*
IGG-101-590B-UG	590B Densimeter Foal IgG Upgrade	**$357.50**
IGG-101-590A-UG	590a Densimeter Foal IgG Upgrade	**$357.50**

The 590 Series Densimeter Foal IgG Upgrade Kit (IGG-101-591B-UG or IGG-101-591A-UG) includes:

Qty.	*Description*	*Part Number*
1	Foal IgG Test Supply Kit	IGG-101-KIT
1	Calibration Loader CD	590-145
1	Instruction Manual	590B-140-21/ 590A-140-21
1	ARS Foal IgG Poster	IGG-101-POST

*ARS recommends that the Foal IgG Test Supply Kit/Upgrade be in transit no more than two (2) days. It has been shown that extended exposure to excessive heat may damage one of the kit components (the Anti-Equine IgG Serum). Please select the appropriate shipping method to meet the two (2) day recommendation. The customer should take into consideration the day of the week the product will be shipped when choosing a shipping method.

Shipping Day	Shipping Method
Monday*	2 Day Service
Tuesday*	2 Day Service
Wednesday*	2 Day Service
Thursday*	Next Day Service
Friday* *Orders received by 10:00am can ship the same day	Next Day Service (Monday delivery acceptable)

E-Z Records™ Equine Software

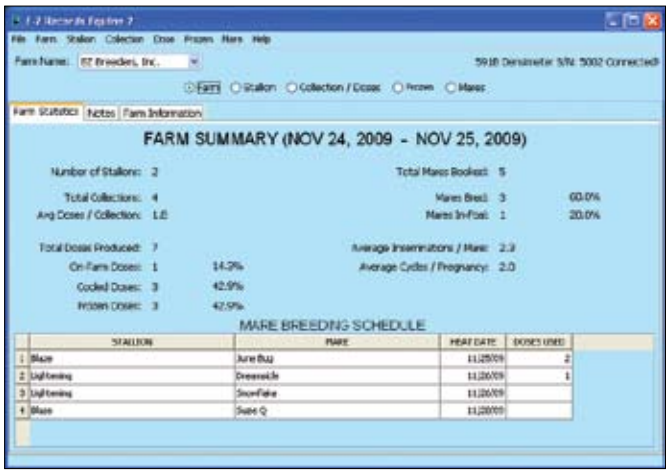
The E-Z Records™ 2.0 Equine software for Windows 7/Vista/XP offers an exciting, easy to use method of managing any equine breeding operation. This program allows ARS Densimeters to communicate directly with a personal computer. Version 2.0 of the E-Z Records™ Equine program is designed to work with all 591 and 590 Densimeters. In addition, the legacy 534B Densimeter is still supported.

E-Z Records™ keeps track of your breeding program by downloading information from the Densimeter into a database for later reporting and review. Stallions and their mare book are organized into "farms" and statistical information for these groupings are automatically generated. Information recorded into the farm database includes stallions, individual collections, doses, and booked mares.

Printed reports are quick and easy with E-Z Records. The following standard reports are available: Stallion Summary, Stallion Breeding Summary, Collection Report, Cooled Shipment Transport Report, Frozen Transport Report, Frozen Semen Summary, and a Mare Insemination Report.

NEW FOR VERSION 2.0

- Improved Report Generation: E-Z Records™ report generation has been completely updated to improve printing speed and quality. Your custom logo may now be added to the top of each report.
- Frozen Dose Calculator to assist in the freezing process.
- Frozen Dose Manager tracks frozen doses and generates frozen dose transport and summary reports.
- Mare breeding schedule display to help manage in heat mares.
- Automatic detection of 590B and 591B Densimeters.
- Transfer saved collections from 591 series Densimeter into E-Z Records.
- Windows 7 and Vista compatibility.



System requirements: Windows® XP, Vista and Windows® 7 operating systems.

Part Number	*Description*	*Price*
534B-170-UG-V2.00	E-Z Records™ Equine Software Upgrade Ver. 2.0	**$275.00**
534B-170-V2.00	E-Z Records™ Equine Software Ver. 2.0	**$467.50**

Foal IgG Test Supply Kit

Replacement supplies for foal IgG testing are packaged and sold in a kit of ten (10) tests. Each individual test uses dilution cuvette, measurement cuvette, 2 red pipette tips, blue pipette tip, lavender 3ml vacutainer tube, and a cap to seal the measurement cuvette. In addition, a 2ml bottle of Anti-Equine IgG Serum is included with each kit. This kit is designed for use with the 590a or 591 Densimeter that has been calibrated to measure Foal IgG levels.

Part Number	*Price*
IGG-101-KIT	**$139.70**

Because the serum must be kept refrigerated, this item must be shipped using a 2-Day service.

Cuvette Warming Block

The Cuvette Warming Block when placed on the ARS Slide Warmer is a handy method to pre-warm dilution and test cuvettes before use with a Densimeter. This accessory is useful in cold weather conditions where multiple tests are to be performed.

Part Number	*Price*
537-361	**$121.35**

Scrotal Calipers

Scrotal Calipers are used during a stallion breeding soundness exam to measure the total scrotal width. The Calipers may be adjusted with one hand and will hold their position for later recording of the measurement.

Part Number	*Price*
549A-101	**$19.15**

Video Microscope Kit

- **"Bright Medium" optics**
- **Designed for quick estimation of sperm motility**
- **Simple to operate**
- **Easy to clean**
- **Highly portable**

Nikon "Bright Medium" optics provides superior dark field image, and is ideal for motility estimation. Sperm are illuminated on a dark background for an easier view of their motion.

The Video Microscope Kit contains everything needed to estimate equine sperm motility. The Video Microscope incorporates high quality Nikon® phase contrast optics and an integrated precision heated stage. The magnification of the Video Microscope is equivalent to the field of view of a conventional 200X microscope. The Microscope is sealed in an aluminum box with a detachable lid and handle, allowing for easy transport. The Video Microscope Kit also includes the typical disposable glassware used for determining sperm motility. A 9" Monochrome Monitor is available separately.
The Video Microscope may be set up using several different display options, such as direct connection to a monitor, VCR, or television (some TV's may require external RF modulator). Display must be purchased separately. When used with a VCR, permanent records of the sperm motion may be recorded for future reference.

Part Number	*Description*	*Price*
VMK-300	Video Microscope Kit	**$3,360.00**

The Video Microscope Kit (VMK-300) includes:

Qty.	Description	Part Number
1	Model 569A Video Microscope, 115V/60HZ-NTSC	569A-MOD3
1	Slides, Glass, Pre-cleaned (72/pkg.)	569A-243
1	Cover Slips, Glass (145/pkg.)	569A-244
1	Pipette, 5.0ml (10/pkg.)	537-501/10
1	Pipette, 1ml (50/pkg.)	537-504/50
1	Pipette, Pasteur, Borosilicate Glass, 9" (200/pkg.)	537-503/200
1	Vial, 2 dram (24/pkg.)	537-520/24
1	Video Cable	569A-231B
1	Video Adapter	ARS-EPJS5319
1	Power Cord	ARS-EPZS17250
1	Video Microscope Shipping Carton	569A-253
1	"Techniques In Equine Reproduction"	537-342
1	Model 569A Owner's Manual	569A-240-MOD3

9" Monochrome Monitor

The Monochrome Monitor has a 9" diagonal screen and is easily connected to the Video Microscope. The 9" display provides a clear image of the sperm during motility estimation. 115V/60HZ-NTSC.

Part Number	*Price*
569A-VMTC-1909	**$206.70**

Glass Slides & Cover Slips

Suitable for use with the Model 569A Video Microscope, these Glass Slides are 25mm x 75mm x 1 mm in size and available in boxes of 72 pieces.

Cover Slips are placed over the semen and are available in one ounce packages containing approximately 144 Cover Slips.

Part Number	*Description*	*Price*
569A-243	Glass Slides, (72/box)	**$11.90**
569A-244	Glass Cover Slips (approximately 144/box)	**$8.10**

Hancock Stain

Hancock Stain is an Eosin-Nigrosin stain used to determine the number of live-dead spermatozoa in an ejaculate and to analyze morphological characteristics. Spermatozoa with intact cell membranes will not absorb the stain while those with damaged cell membranes will absorb the stain and appear darker. Hancock Stain is sold in 10ml bottles.

Part Number	*Price*
HCS-101	**$20.50**

Slide Warmer Kit

- **Precision Temperature Control**
- **Teflon coating for easy cleaning**
- **Rugged portable design**

The Slide Warmer is designed to keep slides, cover slips and glassware at the optimum temperature for motility testing. The aluminum heating surface measures 7" x 11" and is Teflon coated for easy cleaning. The unit features a precision solid state temperature control that is factory calibrated at 37° C (98° F) and is housed in a durable plastic case with a carrying handle for portability. The hinged lid may be closed when not in use and the detachable power cord stores inside the case. The Slide Warmer will operate on any 115 VAC outlet. For foreign purchases, a 230V model is available.

Part Number	*Description*	*Price*
581A-201	Slide Warmer Kit 115V	**$412.50**
581A-202	Slide Warmer Kit 230V	**$456.50**

The Slide Warmer Kit (581A-201) includes:

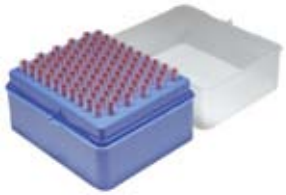
Qty.	*Description*	*Part Number*
1	Slide Warmer	581A-MOD1
1	Power Cord	ARS-EPZS17506C
1	Instruction Manual	581A-116

ARS 180ul Positive Displacement Pipette

Positive Displacement Pipettes are required for accurate measurement of thick viscous liquids such as semen. This 180ul Positive Displacement Pipette is used to precisely measure the volume of semen required for use in the Densimeter. Pipette Tips are sold separately.

Disposable Pipette Tips

Disposable Pipette Tips for the ARS 180ul Positive Displacement Pipette are available in racks of 100 and bulk packaged bags of 200. The Pipette Tip Rack is used as a convenient tool for mating the tip to the Pipette. Racks can be refilled using the Bagged Tips listed below.



Part Number	*Description*	*Price*
594KR-1800	180ul Positive Displacement Pipette	**$241.45**
594TR-R/100	Racked Disposable Pipette Tips, (100/rack)	**$36.40**
594TR-B/200	Disposable Pipette Tips, (200/bag)	**$55.45**
594TR-B/1000	Disposable Pipette Tips, (1000/bag)	**$242.00**

Disposable Plastic Cuvettes & Caps

Disposable Plastic Cuvettes are used in the Densimeter to hold the sample for measurement of concentration. It is important that a fresh, clean cuvette be used each time to ensure the most accurate measurement. Disposable Cuvette Caps are used to seal the Cuvette while the semen and Formalin are being mixed, and help prevent spills inside the Densimeter. Disposable Cuvettes and Caps are sold in boxes of 100.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
537-204-205/100	Cuvettes, Caps(100/box)	**$21.20**	**$20.14**	**$19.08**

To prevent semen spills ARS strongly recommends the use of Cuvette Caps with the Cuvettes.

Hemacytometer Kit

This new Hemacytometer Kit is useful for manually counting sperm in situations where our Densimeter cannot accurately determine semen concentration. This happens where samples are contaminated with dirt or other debris, as well as in samples that have already been extended which is typical in a frozen semen breeding program.

The Hemacytometer Kit includes complete instructions and supplies for eight measurements and is intended for use with a microscope. Customers who already have the Hemacytometer may order just the resupply items needed to make measurements, available in a "resupply kit" or in bulk quantities. Please note you will also require a Hemacytometer Kit User Guide and ARS Capillary Holder with your initial order of supply items as the measurement process has changed.

Part Number	*Description*	*Price*
537-850	Hemacytometer Kit, includes two Cover Slips, ARS Capillary Holder, Hemacytometer Resupply Kit and User's Guide	**$249.00**
537-840/8	Hemacytometer Re-Supply Kit Thrombo-Tic Reservoir (8) 10µl Volume Capillary (8) Chamber Filling Capillary (8) 1ml Disposable Plastic Transfer pipettes (8) Petri Dish (1)	**$30.95**
537-847/10	Petri Dish W/Grid, Square 100mm x 15mm (10/pkg)	**$9.95**
537-686	Hemacytometer, includes two Cover Slips	**$232.00**
537-686-RCS	Replacement Cover Slips for Hemacytometer	**$42.50**
537-851	Hemacytometer Kit User Guide	**$10.00**

Thrombo-tic ® "PUR" Plus Dilution System

Thrombo-tic are single-user dilution chambers, typically used with a hemacytometer, to ensure an accurate 1:100 dilution. Diluted semen from the thrombo-tic is then loaded into the Hemacytometer.
The Thrombo-tic system consists of a reservoir, 10µL volume capillary, and a chamber filling capillary. A box of 100 Thrombo-tic systems may be purchased or for smaller quantities order the Hemocytometer Re-Supply Kit, 537-840/8.

Thrombo-tic are the Colorado State University Equine Reproduction Laboratories suggested replacement for the discontinued BD Unopette® System.

Part Number	*Description*	*Price*
537-843/100	Thrombo-Tic "PUR" Plus Kit (100/pkg)	**$225.00**

ARS Capillary Holder

The ARS capillary holder is a reusable clamp designed to manipulate the 10µL volume capillary and is a recommended accessory.

537-845	ARS Capillary Holder	**$4.50**

Pipette Pump

The Pipette Pump attaches to the end of a pipette and allows liquid to rise in the pipette by rotating the wheel with your thumb. The Pipette Pump possesses a unique collar that requires no adjustment. The collar clamps the chuck ring to the barrel and holds the chuck in proper alignment to accept a pipette. A stabilizing mechanism inside the collar prevents the pipette from wobbling while in use.

Pipette Pump works with pipettes up to 25ml.

Part Number	*Description*	*Price*
PP-125	**Pipette Pump, 25ml**	**$33.50**

250ml Glass Beaker

The 250ml Glass Beaker is used to make a water bath for pre-cooling semen extended in E-Z Freezin®-"MFR5". The 250ml Glass Beaker is also excellent for general lab use.

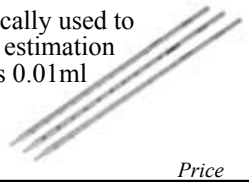
Part Number	*Price*
537-676	**$5.40**

Disposable Glass Pasteur Pipette

Disposable Glass Pasteur Pipettes are available in two convenient sizes. The 9" Pasteur pipette is recommended for depositing a drop of semen (extended or raw) onto a glass slide for motility evaluations. The 5.75" Pasteur Pipette is recommended for use as a disposable tip for the vacuum aspirator pump. These pipettes are an ideal size for removing supernatant after centrifugation. The 9" Pasteur pipettes are sold in boxes of 200 and the 5.75" Pasteur pipettes are sold in boxes of 250.

Part Number	*Description*	*Price*
537-503/200	9" Pasteur Pipette (200/box)	**$21.00**
537-506/250	5.75" Pasteur Pipette (250/box)	**$20.80**

1ml Disposable Glass Pipettes



The 1.0ml Disposable Glass Pipette is typically used to measure the volume of semen required for estimation of extended motility. The 1.0ml Pipette has 0.01ml graduations and is sold in boxes of 250 pipettes.

Part Number	*Price*
537-504/250	**$83.30**

5ml Disposable Glass Pipettes

The 5ml Disposable Glass Pipette is typically used to measure the volume of E-Z Mixin® Extender required for evaluation of extended motility.

This pipette is also ideal for placement and removal of E-Z Cushion™ from the centrifuge tube.The pipette has 0.1ml graduations and is sold in boxes of 100 pipettes.

Part Number	*Price*
537-501/100	**$59.40**

10ml Disposable Glass Pipettes

The disposable 10ml glass pipette is used during the freezing process to accurately measure the total volume of extended semen. Disposable 10ml glass pipettes also have many general laboratory uses. These pipettes have 0.2ml graduations and are sold in boxes of 100.

Part Number	*Price*
537-505/100	**$58.50**

2 Dram Vial with Screw Cap

The 2 Dram Vial with Screw Cap will hold approximately 7ml of liquid and is typically used to mix the raw semen with extender for use in the estimation of motility. These vials are sold in boxes of 144.

Part Number	*Price*
537-520/144	**$51.90**

12 X 55 Culture Tubes

The Disposable Culture Tubes are made of plastic, 2" long, and will hold approximately 3ml of liquid. This tube is ideal for storing a small sample of raw semen to be used in the Densimeter. Disposable Culture Tubes are sold in bags of 500 pcs.

Part Number	*Price*
537-790/500	**$28.10/bag**

Culture Tube Rack

The Culture Tube Rack is made of plastic and designed to hold up to 96 disposable culture tubes in an upright position. The rack dimensions are approximately 3 ¼" wide and 9" long and should fit in most incubators.

Part Number	*Price*
537-792	**$23.00**

Speculum Light

The Speculum Light illuminates the interior of the Sterile Disposable Vaginal Speculum for improved visibility while performing artificial insemination or other exams.

Part Number	*Quantity Price Breaks* 1 - 4	5 - 9	10+
537-664	**$4.10**	**$3.90**	**$3.69**

Sterile Disposable Vaginal Speculum

The Disposable Vaginal Speculum is used for performing artificial insemination or other exams. It is 18" long with foil lining for greater visibility. Disposable Vaginal Speculums are sterile, individually wrapped and sold in packages of 10.

Part Number	*Price*
EDVS-102/10	**$23.50**

Culture Swab

The Culture Swab has a three- piece design that allows the user to retrieve the sample through a simple and sanitary procedure. Once collected, the sample can be stored and transported in the protective capsule. Each Culture Swab is individually wrapped and gas sterilized. Recommended for use under the direction of a veterinarian. Sold in packs of 25.

Part Number	*Price*
CSS-101/25	**$76.20**

Test Tube Brush

The Test Tube Brush is 10" long and is used to clean labware. Each package contains 12 test tube brushes.

Part Number	*Price*
537-753/12	**$16.00**

Formalin 10 Solution

Formalin 10 Solution is used in the Densimeter as a dilution media for stallion semen. The 500ml bottle is designed to connect directly to the Formalin Dispenser for accurate measurements during use.

Part Number	*Description*	*Price*
FRM-101	Formalin 10 Solution	**$16.20**
FRM-101/6	Formalin 10 Solution, (6/case)	**$90.75**

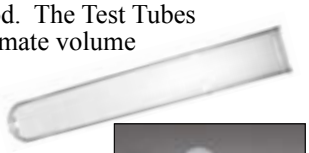
Formalin 10 Dispenser

The Formalin Dispenser is designed to mount to the top of the Formalin 10 Solution bottle and accurately measure 3.42ml of Formalin 10 for use in the Densimeter. Replacement Dispenser spouts are also available.

Part Number	*Description*	*Price*
537-202	Formalin Dispenser	**$183.70**
537-208	Replacement Dispenser Spout	**$6.40**

Test Tubes & Caps

Test Tubes are used to hold semen extended in E-Z Freezin®- "MFR5" during the pre-cooling period. The Test Tubes are 16mm x 100mm, with an approximate volume of 14ml. The Test Tubes are made of polystyrene, with glass-like clarity. Test Tube Caps securely seal the Test Tubes, to prevent contamination.



Each package contains 50 test tubes and caps.

Part Number	*Price*
537-751-752/50	**$9.40**

Test Tube Rack

The test tube rack holds up to 60, 14ml test tubes.

Part Number	*Price*
537-754	**$12.40**

1ml Disposable Plastic Transfer Pipette

The Disposable Plastic Transfer Pipette is used to deposit a drop of semen (extended or raw) onto the Glass Slide for evaluation. Each bag contains 400 Disposable Pipettes.

Part Number	*Price*
537-665/400	**$42.00**

Graduated Cylinders

Graduated Cylinders may be used to measure the volume of the semen collected or E-Z Mixin® extender required for the desired dilution ratio. The 50ml and 100ml glass Graduated Cylinders have plastic bases and have 1ml graduations. The 250ml glass Graduated Cylinder has a glass base and 2ml graduations.

Part Number	*Description*	*Price*
537-510	50ml Graduated Cylinder	**$10.00**
537-511	100ml Graduated Cylinder	**$13.00**
537-512	250ml Graduated Cylinder	**$33.90**

Erlenmeyer Flasks

Erlenmeyer Flasks are used during the freezing process when extending semen with centrifugation media. The Erlenmeyer Flask is convenient to use when the total extended volume exceeds the capacity of the graduated cylinder used to measure semen volume. The 250ml Erlenmeyer Flask is ideal when the total volume is less than 250ml and the 500ml size may be used for larger volumes.

Erlenmeyer Flasks have many other general lab uses and are sold in boxes of two.

Part Number	*Description*	*Price*
537-688/2	Erlenmeyer Flasks, 250ml	**$6.80**
537-689/2	Erlenmeyer Flasks, 500ml	**$8.40**

Cables and Adapters

590a/591a Densimeter Serial Cable

Nine pin cable for connecting the 590a or 591a Densimeter to the serial port of a personal computer. This cable is straight wired 9 pin female - 9 pin male.

Part Number	*Price*
537-674	**$10.00**

USB to Serial Adapter

The USB to nine pin serial cable adapter is an alternate method of connecting the 534B, 590a, or 591a Densimeter in a personal computer running the Windows 2000/XP operating system. This device may be used with computers that do not have a built-in serial port.

Part Number	*Price*
537-681	**$35.20**

591 Series Densimeter Power Supply

Replacement Universal Power Supply for the 591 Densimeter. This power supply allows operation from any 100-240 vac source. Output is rated at 12vdc 1.5 amp.

Part Number	*Price*
537-684	**$43.10**

590 Series Densimeter Power Supply ver 2

Replacement Universal Power Supply for the 590 Densimeter. Output is rated at 12vdc 0.8 amp.

Part Number	*Price*
537-816-PS	**$43.10**

"AA" Nickel Hydride Batteries for 590 Densimeter (4/Pkg)

Rechargeable Nickel Hydride batteries for the 590 Densimeter.

Part Number	*Price*
537-672/4	**$19.50**

534B Densimeter Serial Cable

Cable for connecting the 534B Densimeter to the serial port of a personal computer. This cable is straight wired 9 pin female - 25 pin male.

Part Number	*Price*
537-683	**$11.10**

USB 2.0 Cable

USB 2.0 cable to connect the 591B Densimeter to a computer. Premium quality cable with gold plated connectors. Length: 6 ft.

Part Number	*Price*
537-796	**$10.00**

Vehicle Power Cord, 12V DC, For 590 and 591 Densimeters

The vehicle power cord allows the 591 or 590 Densimeter to plug into a standard car accessory connector.

Part Number	*Price*
537-691	**$11.10**

Video Microscope Replacement Parts

Video Cable

The Replacement Video Cable is 4' long and has standard BNC connectors on each end. This cable will connect the Video Microscope to the 9" Video Monitor. Connection to VCR or TV may also require the Video Adaptor listed below.

Part Number	*Price*
569A-231B	**$11.80**

Video Adaptor

The Replacement Video Adaptor converts a BNC type cable to the typical RCA type connections found on many VCR's and TV's.

Part Number	*Price*
ARS-EPJS5319	**$5.20**

Power Cord

The Power Cord is 6' long and designed to connect the Video Microscope to a standard three wire receptacle.

Part Number	*Price*
ARS-EPZS17250	**$13.00**

ARS Semen Extenders

• Inexpensive

• Easy to Prepare

• Will enhance fertility of most stallions

ARS Liquid Semen Extenders are designed to be general purpose stallion semen extenders used with fresh semen for immediate insemination or for semen that will be cooled and stored or transported to another location prior to insemination of the mare. All three ARS Semen Extender formulas were developed and evaluated by the Colorado State University Equine Reproduction Laboratory (ERL).

All ARS extenders rely on a two-part packaging system to ensure freshness of the antibiotic. Most antibiotics lose effectiveness over time when stored in a liquid form. ARS ensures the effectiveness of our antibiotics by storing the ingredients in a stable dry form until mixing just before the extender is added to the stallion semen.

ARS BLUE™ is a new advanced extender specially formulated to maximize fertility in semen that has been cooled and or transported. The original E-Z Mixin® family of extenders have been the industry standard for many years. These Kenney-based formulas have been adjusted to allow the use of several different antibiotics to prevent bacterial growth and to optimize the length of time the semen can be cooled and stored prior to use. Finally, the E-Z Mixin® 10 family of extenders are a non-Kenney based formula that has been shown to work well in stallions whose semen does not cool well with a traditional Kenney extender.

HOW TO SELECT AN ANTIBIOTIC

Antibiotic selection is one of the most important decisions when choosing any extender. Colorado State University (ERL) and Animal Reproduction Systems both strongly recommend the use of an extender containing an appropriate antibiotic for any stallion semen used for insemination. Amikacin is a good general purpose antibiotic that is tolerated by most stallion spermatozoa. Consequently, this is the antibiotic of choice for most stallions. Ticarcillin is a good alternative for stallion semen that does not cool well in the presence of amikacin. In some situations, the addition of potassium penicillin G to an extender containing amikacin can provide additional broad spectrum protection to the standard amikacin based extender.

Each ARS formula has a "BF" or basic formula version that can be used as a centrifugation medium or as a base extender when custom antibiotics are required.

Antibiotic	ARS BLUE	E-Z Mixin	E-Z Mixin 10
Amikacin	**ARS BLUE with Amikacin** *Casein-based* extender that can be used for fresh insemination or cooled storage. This extender can be used as a routine multi-purpose extender (i.e. fresh or cooled semen) and can also be used for stallions that do not cool well in a traditional Kenney-based extender.	**E-Z Mixin - "CST"** Excellent Kenney-based extender formulation for general use. The basic formula contains the antibiotic amikacin. Can be used for extending stallion semen for fresh insemination or for cooled storage and transport.	**E-Z Mixin 10-"CST"** A non-Kenney based formulation for fresh insemination or cooled storage. This extender may be beneficial for stallion semen that does not cool well in a traditional Kenney-based extender. The basic E-Z Mixin 10 extender contains the antibiotic amikacin.
Amikacin plus Potassium Penicillin G	**ARS BLUE with Amikacin and K Pen G** Casein-based extender that can be used for fresh insemination or cooled storage. The addition of potassium penicillin G provides a broader spectrum of bacterial growth control than amikacin alone.	**E-Z Mixin - "CST+"** Antibiotic option for stallions that cool well in a Kenney-based formulation. The addition of potassium penicillin G provides a broader spectrum of bacterial growth control than amikacin alone.	**E-Z Mixin 10-"CST+"** A non-Kenney based formulation for fresh insemination or cooled storage. The addition of potassium penicillin G provides a broader spectrum of bacterial growth control than amikacin alone.
Ticarcillin	**ARS BLUE Basic Formula with Ticarcillin** Casein-based extender that can be used for fresh insemination or cooled storage. Ticarcillin provides an alternative antibiotic to amikacin (± penicillin) and will provide broad-spectrum control of bacterial growth.	**E-Z Mixin - "BFT"** Antibiotic option for stallions that cool well in a Kenney-based formulation, but require a different antibiotic than amikacin to maintain optimal sperm motility with cooled storage. Ticarcillin will provide broad-spectrum control of bacterial growth.	**E-Z Mixin 10-"BFT"** A non-Kenney based formulation for fresh insemination or cooled storage. ticarcillin provides an alternative antibiotic to amikacin (± penicillin) and will provide broad-spectrum control of bacterial growth.
Potassium Penicillin G	**ARS BLUE Basic Formula with K Pen G** Casein-based extender that can be used for fresh insemination or cooled storage. potassium penicillin G will primarily provide control of growth of Gram-positive organisms.	**E-Z Mixin - "BF+"** E-Z Mixin Antibiotic option for stallions that cool well in a Kenney-based formulation, but require a different antibiotic than amikacin to maintain optimal sperm motility with cooled storage. Potassium penicillin G will primarily provide control of growth of Gram-positive organisms.	**E-Z Mixin 10- "BF+"** A non-Kenney based formulation for fresh insemination or cooled storage. Potassium penicillin G will primarily provide control of growth of Gram-positive organisms.
None (Basic Formula; "BF")	**ARS Blue Basic Formula** An alternate general purpose centrifugation media. Casein-based extender for use when custom antibiotics are required to treat a specific condition.	**E-Z Mixin - "BF"** A good general purpose centrifugation media. Kenney-based extender for use when custom antibiotics are required to treat a specific condition.	**E-Z Mixin 10 -"BF"** A good general purpose centrifugation media. Non-Kenney-based extender for use when custom antibiotics are required to treat a specific condition.

ARS BLUE™ Semen Extenders

NEW!

• High-quality casein-based extenders with several choices of antibiotics.

• Easy to Prepare

Animal Reproduction Systems is excited to offer a new advanced casein-based stallion semen extender (ARS BLUE™) for the 2013 breeding season. ARS Blue™ can be used as a routine extender for a fresh semen artificial insemination program and/or for use in a cooled-transported semen program. The casein-based extender can also be used for stallions whose semen does not cool well using a traditional Kenney-based extender. The new ARS Blue™ extender has been shown to maintain adequate sperm motility and viability in most stallions evaluated when extended semen was cooled to 5˚ C for 24 to 48 hours. In addition, a per cycle pregnancy rate of 80 % was achieved after insemination of mares with cooled semen extended in ARS Blue™ extender. Each kit yields 100 ml of extender.

ARS BLUE™ may be shipped Ground Service and has no special shipping requirements.

ARS BLUE™ with Amikacin is a very good general purpose semen extender that is recommended for use with both fresh semen and cooled/stored/transported semen programs.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
BLU-AS	Single Kit	**$10.00**	**$9.50**	**$9.00**
BLU-AS/12	Case of 12 Kits	**$108.00**	**$102.60**	**$97.20**

ARS BLUE™ with Amikacin and K Pen G adds a pull-apart capsule* containing the antibiotic potassium penicillin G to our amakacin formula. The additional antibiotic allows this formula to control a broader spectrum of bacterial growth than the amikacin extender alone.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
BLU-AS-KPG	Single Kit	**$11.25**	**$10.69**	**$10.13**
BLU-AS-KPG/12	Case of 12 Kits	**$121.00**	**$114.95**	**$108.90**

***Pull-apart capsules cannot be sold separately.**

ARS BLUE™ Basic Formula with Ticarcillin is an alternate extender formula for both fresh and cooled, stored and/or transported semen. This extender includes a pull-apart capsule* containing ticarcillin which provides broad spectrum control of bacteria growth. This extender is recommended for stallions that have problems shipping in amikacin based formulas.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
BLU-BF-TD	Single Kit	**$11.00**	**$10.45**	**$9.90**
BLU-BF-TD/12	Case of 12 Kits	**$118.00**	**$112.10**	**$106.20**

***Pull-apart capsules cannot be sold separately.**

ARS BLUE™ Basic Formula with K Pen G is our Basic Formulas with the addition of potassium penicillin G in a pull-apart capsule*. These formulas may be preferred in special situations where the use of potassium penicillin G only is desired.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
BLU-BF-KPG	Single Kit	**$10.75**	**$10.21**	**$9.68**
BLU-BF-KPG/12	Case of 12 Kits	**$116.00**	**$110.20**	**$104.40**

***Pull-apart capsules cannot be sold separately.**

ARS BLUE™ Basic Formula is our new formula without any additional antibiotics added at time of use. This formula is designed for the experienced veterinarian or breeder who wishes to add his/her own choice of antibiotic(s). ARS BLUE™ Basic Formula is also recommended as an alternate centrifugation media when processing semen from a stallion that does not tolerate the use of a Kenney-based extender.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
BLU-BF	E-Z Mixin-10 - CST, Kit	**$9.75**	**$9.26**	**$8.76**
BLU-BF/12	E-Z Mixin - CST, Kit	**$105.00**	**$99.75**	**$94.50**

AI

E-Z Mixin Semen extenders.

• High-quality Kenney-based extenders with several choices of antibiotics.

• Inexpensive

• Easy to Prepare

E-Z Mixin® Semen Extenders are sold individually or in case lots of 24. Each kit consists of at least two components: Component A is a plastic bottle of USP purified water and Component B is a hermetically sealed packet containing the dry powder formula. Formulas that use the antibiotics Ticarcillin or Potassium Pentacilin G contain a third component containing the antibiotic in a pull-apart capsule. Each kit yields 125 ml of extender.

Please see pg. 41 for special E-Z Mixin shipping instructions.

E-Z Mixin® -"CST" contains the antibiotic amikacin and is recommended for use with both fresh semen and cooled/stored/transported semen programs.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM-CST	E-Z Mixin - CST, Kit	**$5.60**	**$5.32**	**$5.04**
EZM-CST/24	E-Z Mixin - CST, (24/case)	**$107.50**	**$102.13**	**$96.75**

E-Z Mixin® - "CST+" adds the antibiotic Potassium Penticillin G to our standard "CST" formula. The additional antibiotic allows this formula to control a broader spectrum of bacterial growth than the amikacin extender alone.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZMP-CST	E-Z Mixin - "CST+", Kit	**$7.15**	**$6.79**	**$6.44**
EZMP-CST/24	E-Z Mixin - "CST+", (24/case)	**$132.35**	**$125.73**	**$119.12**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® - "BFT" is an alternate extender formula for both fresh and cooled, stored and/or transported semen. This extender includes a pull-apart capsule* containing ticarcillin which provides broad spectrum control of bacteria growth. This extender is recommended for stallions that have problems shipping in amikacin based formulas.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZMTD-BF	E-Z Mixin - "BFT", Kit	**$7.70**	**$7.32**	**$6.93**
EZMTD-BF/24	E-Z Mixin - "BFT", (24/case)	**$148.15**	**$140.74**	**$133.34**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® - "BF+" are our Basic Formulas with the addition of potassium penicillin G in a pull-apart capsule*. These formulas may be preferred in special situations where the use of potassium penicillin G only is desired.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZMP-BF	E-Z Mixin - "BF+", Kit	**$6.40**	**$6.08**	**$5.76**
EZMP-BF/24	E-Z Mixin - "BF+", (24/case)	**$116.65**	**$106.07**	**$100.49**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® - "BF" are our "Basic Formula" and contains no antibiotic. They are designed for the experienced veterinarian or breeder who wishes to add his/her own choice of antibiotic(s). E-Z Mixin® -" BF" Extender is recommended when certain pathogens require specific antibiotics or an antibiotic that may enhance survival of spermatozoa from a particular stallion. E-Z Mixin® -"BF" is also used as a centrifugation media for frozen semen operations.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM-BF	E-Z Mixin - BF, Kit	**$4.95**	**$4.70**	**$4.45**
EZM-BF/24	E-Z Mixin - BF, (24/case)	**$84.40**	**$80.18**	**$75.96**

E-Z Mixin 10 Semen extenders.

• High-quality non Kenney-based extenders with several choices of antibiotics.

• Inexpensive

• Easy to Prepare

• Specifically developed for stallions that do not cool well in Kenny-based extenders.

E-Z Mixin 10 formulations are unlike any other extender on the market. Evaluation by the Colorado State University Animal Reproduction and Biomedical Laboratory has shown this formula to maintain motility during cooled storage for up to 72 hours. A per cycle pregnancy rate of 75 % was achieved after insemination with cooled semen extended in the new EZ-Mixin 10 - "CST" Extender.

E-Z Mixin® 10 Semen Extenders are sold individually or in case lots of 24. Each kit consists of at least two components: Component A is a plastic bottle of USP purified water and Component B is a hermetically sealed packet containing the dry powder formula. Each kit yields 125 ml of extender.

Please see pg. 41 for special E-Z Mixin shipping instructions.

E-Z Mixin® 10 -"CST" contains the antibiotic amikacin and is recommended for use with both fresh semen and cooled/stored/transported semen programs.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM10-CST	E-Z Mixin-10 - CST, Kit	**$6.30**	**$5.98**	**$5.67**
EZM10-CST/24	E-Z Mixin-10 - CST, (24/case)	**$119.00**	**$113.05**	**$107.10**

E-Z Mixin® 10 - "CST+" adds the antibiotic Potassium penticillin G to our standard "CST" formula. The additional antibiotic allows this formula to control a broader spectrum of bacterial growth than the amikacin extender alone.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM10P-CST	E-Z Mixin-10 - "CST+", Kit	**$8.05**	**$7.65**	**$7.25**
EZM10P-CST/24	E-Z Mixin-10 - "CST+", (24/case)	**$143.90**	**$136.71**	**$129.51**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® 10 - "BFT" is an alternate extender formula for both fresh and cooled, stored and/or transported semen. This extender includes a pull-apart capsule* containing ticarcillin which provides broad spectrum control of bacteria growth. This extender is recommended for stallions that have problems shipping in amikacin based formulas.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM10-BF	E-Z Mixin-10 - BF, Kit	**$5.50**	**$5.23**	**$4.95**
EZM10-BF/24	E-Z Mixin-10 - BF, (24/case)	**$95.90**	**$91.11**	**$86.31**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® 10 - "BF+" are our Basic Formulas with the addition of potassium penicillin G in a pull-apart capsule*. These formulas may be preferred in special situations where the use of potassium penicillin G only is desired.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM10P-BF	E-Z Mixin-10 - "BF+", Kit	**$7.15**	**$6.79**	**$6.44**
EZM10P-BF/24	E-Z Mixin-10 - "BF+", (24/case)	**$123.20**	**$117.04**	**$110.88**

***Pull-apart capsules cannot be sold separately.**

E-Z Mixin® 10 - "BF" are our "Basic Formula" and contains no antibiotic. They are designed for the experienced veterinarian or breeder who wishes to add his/her own choice of antibiotic(s). E-Z Mixin® -" BF" Extender is recommended when certain pathogens require specific antibiotics or an antibiotic that may enhance survival of spermatozoa from a particular stallion. E-Z Mixin® -"BF" is also used as a centrifugation media for frozen semen operations.

		Quantity Price Breaks		
Part Number	*Description*	*1 - 4*	*5 - 9*	*10+*
EZM10TD-BF	E-Z Mixin-10 - "BFT", Kit	**$8.60**	**$8.17**	**$7.74**
EZM10TD-BF/24	E-Z Mixin-10 - "BFT", (24/case)	**$159.70**	**$151.72**	**$143.73**

AI

AI

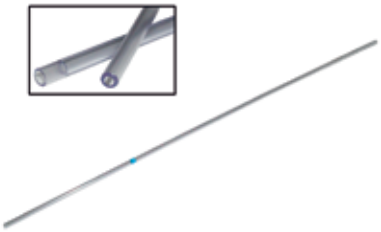
Sterile Syringes

Insemination Syringes are available in four different sizes to meet the needs of on-farm and shipped semen breeders. All Syringes are 100% plastic, individually wrapped and sterile.

Part Number	Description	Quantity Price Breaks 1 - 4	5 - 9	10+
544B-00005/100	10ml All Plastic Syringe, (100/box)	**$40.70**	**$38.67**	**$36.63**
544B-00002/100	20ml All Plastic Syringe, (100/box)	**$55.60**	**$52.82**	**$50.04**
544S-00006/25	25ml All Plastic Syringe, w/Cap (25/box)	**$24.00**	**$22.80**	**$21.60**
544S-00007/25	50ml All Plastic Syringe, w/Cap (25/box)	**$34.30**	**$32.58**	**$30.87**
564A-102-04/100	Non-Sterile Syringe Caps, (100/bag)	**$3.40**	**$3.23**	**$3.06**

Disposable Insemination Tubes

Disposable Insemination Tubes are used to deliver the extended semen into the mare's uterus. These tubes are available in both drilled and undrilled form. Drilled Insemination Tubes are designed to directly accept the syringe tip while the undrilled tubes require the flexible tubing adaptors shown on the right.



Part Number	Description	Price
	Individually Packaged	
544A-20000/100	Drilled 21" Plastic Tube, (100/box)	**$51.80**
544A-10000/100	Undrilled 21" Plastic Tube, (100/box)	**$50.20**
	Bulk Packaged	
544B-20000/100	Drilled 21" Plastic Tube, (100/box)	**$25.60**
544B-10000/100	Undrilled 21" Plastic Tube, (100/box)	**$24.50**
	Sterile Packaged	
544S-20000/100	Sterile, Drilled 21" Plastic Tube, Individually Packaged, (100/box)	**$114.10**
544S-10000/100	Sterile, Undrilled 21" Plastic Tube, Individually Packaged, (100/box)	**$111.60**

Adapters

Plastic and Rubber Tubing Adapters are used to connect the Syringe and the Insemination Tube. These Adapters are flexible and allow the angle of the syringe to be adjusted during the insemination process. The sterile Adaptors are individually wrapped and sold in bags of 100.

Part Number	Description	Price
544B-01000/100	1" Rubber Tubing Adapter, (100/bag)	**$7.90**
544B-02000/100	1" Plastic Tubing Adapter, (100/bag)	**$4.80**
	Sterile Packaged	
544S-01000/100	1" Rubber Tubing Adapter, Individually Packaged, (100/bag)	**$15.20**
544S-02000/100	1" Plastic Tubing Adapter, Individually Packaged, (100/bag)	**$13.00**

Obstetrical Sleeves/Gloves

Super-Sensitive Shoulder Length Sleeves offer superior tactile sensibility with extraordinary strength, yet are soft and flexible. The "Standard Hand" Shoulder Length Sleeve is stocked in 34" and 39" lengths. A smaller hand Shoulder Length Sleeve is also available with a 35" length and has shorter fingers and a narrower wrist. Individually wrapped and sterile sleeves are also available.

Wrist Length Gloves are packaged in boxes of 100 and are used during stallion semen collection.

Part Number	Description	Price
	Sleeves, 100 per Pkg	
SLG-108-Box/200	34" Shoulder Length (200/box)	**$35.55**
SLG-104/100	35" Shoulder Length, Small hand	**$20.40**
SLG-103/100	39" Shoulder Length	**$20.40**
WLG-104/100	Wrist Length Plastic Glove	**$11.40**
	Individually Wrapped, Sterile Sleeves, 25/Package	
SLG-108-STER/25	34" Shoulder Length, Sterile	**$17.70**
SLG-107/25	35" Shoulder Length, Sterile, Small Hand	**$18.00**
SLG-106/25	39" Shoulder Length, Sterile	**$17.70**

Sterile Disposable Artificial Insemination Kits

The Sterile Disposable Artificial Insemination Kit contains all the supplies required to artificially inseminate a mare. Each individually wrapped kit is sterile and includes a shoulder length plastic glove, an undrilled 21" plastic insemination tube with gauge, rubber adapter and a choice of syringe size.

Part Number	Description	Quantity Price Breaks 1 - 4	5 - 9	10+
	Individual Kits			
544S-11112	Sterile AI Kit with 20ml Syringe	**$3.65**	**$3.47**	**$3.29**
544S-11116	Sterile AI Kit with 25ml Syringe	**$4.40**	**$4.18**	**$3.96**
544S-11117	Sterile AI Kit with 50ml Syringe	**$4.40**	**$4.18**	**$3.96**
	Case of 100 Individual Kits			
544S-11112/100	Sterile AI Kit with 20ml Syringe, (100/case)	**$310.65**	**$295.12**	**$279.59**
544S-11116/100	Sterile AI Kit with 25ml Syringe, (100/case)	**$379.70**	**$360.72**	**$341.73**
544S-11117/100	Sterile AI Kit with 50ml Syringe, (100/case)	**$379.70**	**$360.72**	**$341.73**

Disposable Artificial Insemination Kits

The Disposable Artificial Insemination Kit contains all the supplies required to artificially inseminate a mare. Each kit is individually wrapped and includes a shoulder length plastic glove, an undrilled 21" plastic insemination tube with gauge, rubber adapter and a choice of syringe size.

Individual items contained in the kit are also available in bulk at a reduced price.

Part Number	Description	Quantity Price Breaks 1 - 4	5 - 9	10+
	Individual Kits			
544A-11112	AI Kit with 20ml Syringe	**$2.40**	**$2.28**	**$2.16**
544A-11116	AI Kit with 25ml Syringe w/Cap	**$3.20**	**$3.04**	**$2.88**
544A-11117	AI Kit with 50ml Syringe w/Cap	**$3.20**	**$3.04**	**$2.88**
	Case of 100 Individual Kits			
544A-11112/100	AI Kit with 20ml Syringe, (100/case)	**$211.40**	**$200.83**	**$190.26**
544A-11116/100	AI Kit with 25ml Syringe, w/Cap (100/case)	**$272.25**	**$258.64**	**$245.03**
544A-11117/100	AI Kit with 50ml Syringe, w/Cap (100/case)	**$272.25**	**$258.64**	**$245.03**

MINITÜB 25.5" Flexible Insemination Pipette

The MINITÜB 25.5" Flexible Insemination Pipette is used for deep uterine insemination and transferring large embryos. This pipette features a smooth round tip and is ideal for gentle insertion. Comes with a built-in syringe adapter. Individually wrapped and sterile. This product should be used only under the supervision of a veterinarian.

Part Number	Price
537-805/10 (10/Case)	**$36.80**
537-805/100 (100/Case)	**$333.90**

2" Cloth Adhesive Tape

Cloth Adhesive Tape is used to secure tail wraps at the tailhead. It is particularly effective when a plastic glove or athletic sock is used as the tail wrap. The mare's tail should be wrapped during collection and insemination procedures. Sold in boxes of 6 ten-yard rolls.

Part Number	Price
537-675/6	**$26.70**

AI

E-Z Freezin® Equine Semen Extenders

- **Easy To Use**
- **Conveniently Packaged**
- **Rigorous Quality Control**

E-Z Freezin® Semen Extenders are recommended for use in equine frozen semen breeding programs. These extenders are used to freeze semen in liquid nitrogen for long-term storage. Two E-Z Freezin® Semen Extender formulas, Lactose EDTA and Modified French, are available for freezing semen. Semen from individual stallions should be tested in both formulas to determine which yields the best results. Both formulas are sold in 15ml hermetically sealed packets.

Animal Reproduction Systems takes great care and pride in the methods used to produce, test, package and store E-Z Freezin® so that customers receive a fresh, quality product. E-Z Freezin® is a perishable product that must remain frozen. E-Z Freezin® extenders must be placed in a freezer immediately upon receipt. Do not thaw packets until immediately before use. Discard any extender not used on the same day it is thawed. Do not attempt to re-freeze extender. ARS recommends that extender be used within six months of purchase. Fresh batches of extender are produced and stocked throughout the year to support this recommendation.

All shipments of E-Z Freezin® Extenders include certification of production using eggs that are produced by a flock that is certified Specific Pathogen Free. The flock is certified free of the following pathogens: Avian Adenovirus Group I, Avian Adenovirus Group II (HEV), Avian Adenovirus Group III (EDS), Avian Encephalomyelitis, Avian Influenza (Type A), Avian Reovirus, Fowl Pox, Infectious Bronchitis-Ark., Infectious Bronchitis-Conn., Infectious Bronchitis-JMK, Infectious Bronchitis-Mass., Infectious Bursal Disease, Infectious Laryngotracheitis, Lymphoid Leukosis (A, B), Lymphoid Leukosis Viruses, Marek's Disease (Serotypes 1,2,3), Mycoplasma gallisepticum, Mycoplasma Synoviae, Newcastle Disease, Reticuloendotheliosis

Virus, Salmonella pullorum-gallinarum, and Salmonella species.

E-Z Freezin® Semen Extenders are sold by the Animal Reproduction Systems division of Dupree, Inc. under exclusive license with the Colorado State University Foundation. The formulas for these complete Extenders were evaluated by Colorado State University Animal Reproduction and Biotechnology Laboratory. Each E-Z Freezin® lot is evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory to ensure a superior product.

See pg. 41 for important shipping and packaging instructions.

E-Z Cushion™

NEW!

E-Z Cushion™ is a centrifugation media designed specifically to maximize equine sperm recovery. E-Z Cushion™ provides a soft barrier for the sperm pellet to rest on during this process allowing higher g-force and longer centrifugation times. Standard centrifugation techniques result in the recovery of up to75% of spermatozoa in the initial sample. Using a cushion will result in enhanced sperm recovery of greater than 95% without detrimental effects on sperm motility or morphology.

E-Z Cushion™ is provided in 30ml resealable bottle for easy handling and should be refrigerated upon receipt. Typically 2-3 ml of cushion is used per centrifuge tube and may be dispensed and removed using the ARS P/N:537-501 5ml Glass Pipette in conjunction with a Pipette Pump ARS P/N:PP-1251

		Quantity Price Breaks		
Part Number		*1 - 4*	*5 - 9*	*10+*
EZC-101		**$45.00**	**$42.75**	**$40.50**

E-Z Freezin®-"LE" Equine Semen Extender

E-Z Freezin®-"LE" is recommended for equine frozen semen breeding programs. E-Z Freezin®-"LE" is a Lactose EDTA formula that contains the antibiotic Ticarcillin.

E-Z Freezin®-"LE" allows semen to be processed at room temperature with no cooling period required prior to freezing. E-Z Freezin® -"LE" is sold in 15ml hermetically sealed, foil-lined packets. Each E-Z Freezin®-"LE" lot is evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory to ensure a superior product.

Part Number	*Description*	*Quantity Pricing*	
EZF-LE	E-Z Freezin®-"LE"	1-10	**$20.35/ea**
		11-40	**$19.25/ea**
		41-80	**$19.00/ea**
		81+	**$18.80/ea**

E-Z Freezin® -"MFR5" Equine Semen Extender

E-Z Freezin®- "MFR5" is recommended for equine frozen semen breeding programs. E-Z Freezin®- "MFR5" is a Modified French formula that contains the antibiotic Ticarcillin.

E-Z Freezin®- "MFR5" requires semen to be cooled slowly to 5˚C (41˚F) prior to undergoing the freezing process. E-Z Freezin®- "MFR5" is sold in 15ml hermetically sealed, foil-lined packets. Each E-Z Freezin®- "MFR5" lot is evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory to ensure a superior product.

Part Number	*Description*	*Quantity Pricing*	
EZF-MFR5	E-Z Freezin® -"MFR5"	1-10	**$19.25/ea**
		11-40	**$18.15/ea**
		41-80	**$17.85/ea**
		81+	**$17.70/ea**

ARS Freezing Kit

The Semen Freezing Equipment kit contains all of the basic equipment and sample quantities of supplies required to process and freeze stallion semen in 0.5ml straws. The ARS Floating Freezing Rack included in this kit maintains the proper elevation while freezing up to fifty 0.5ml straws at a time. The foam chest is ideally sized for loading straws into goblets and canes for later storage. The included Freezing Straw Filler replaces mouth pipetting while filling the semen straws. The book "Techniques in Equine Reproduction" is a comprehensive guide to equine reproduction including a chapter devoted to semen freezing and storage.

Working with Liquid Nitrogen while freezing stallion semen requires specialized safety equipment. Eye protection in the form of Disposable Face Shields and Safety Goggles along with Cryogloves are available on page 30 of this catalog.

Part Number	*Description*	*Price*
SFEK-101	ARS Freezing Kit	**$437.80**

The ARS Freezing Kit (SFEK-101) includes:

Kit Contents Include:			
Item#	Description	ARS P/N	Quantity
1	Floating Straw Rack and Cooler Chest	FSR-101	1
2	Freezing Straw Filler Kit	FSF-101-KIT	1
3	Sink Vacuum Aspirator Pump Kit	537-785-KIT	1
4	Semen Freezing Forceps	SFF-101-12	2
5	E-Z Freezin® Packet Stand	EZF-PS	1
6	Centrifuge Tube Rack	537-744	1
7	Book "Techniques in Equine Reproduction"	537-342	1
8	Sealing Powder For Freezing Straws (1LB/pkg)	537-671	1
9	20ml Disposable Weigh Boat	537-814/25	1
10	Centrifuge Tubes and Caps, 50ml (25/pkg)	537-742/25	1
11	Freezing Straws, .5 ML (100/pkg)	537-670-CLE/100	1
12	Bubbler Comb (25/pkg)	BC-101/25	1

ARS Freezing Rack

The ARS Freezing Rack is designed to provide optimal cooling for up to fifty 0.5ml straws. The 3cm elevation over the liquid nitrogen is maintained during the entire freezing process so a digital thermocouple thermometer is no longer required.

A 20" x 14" x 9" foam box and lid with a 1" wall is included. This box is ideally sized to allow loading freezing straws into goblets for storage.

Part Number	*Description*	*Price*
FSR-101	Freezing Rack & Cooler Chest	**$149.05**
FSR-101-LC	Freezing Rack Without Cooler Chest	**$139.80**
FSR-101-CHEST	Cooler Chest & Box (For Freezing Rack)	**$22.00**
FSR-101-FLOAT/2	Float Replacement Set	**$17.40**

Freezing Straw Filler Kit

The ARS Freezing Straw Filler is a system designed to assist in filling 0.5ml freezing straws without the need for mouth aspiration. This device fills up to 5 straws at a time using a thumb wheel pump. A built-in positioner holds the cotton plugs in place to ensure a consistent volume of extended semen in each straw. Four Plugs are included to cover unused ports on the straw filler if less that five straws are to be filled.

Part Number	*Description*	*Price*
FSF-101-KIT	Freezing Straw Filler Kit	**$115.50**

ARS Custom Printed Freezing Straws

ARS' Custom Printed Freezing Straws feature professional quality text printed on ARS' high quality Freezing Straws. We start with our .5ml clear PVC Freezing Straws and print up to two lines of text on each straw. Text can include the stallion's name, ranch name, date of collection or any other information you want. See below for details. The text is applied using a thermal process which results in text that cannot be wiped or rubbed off.

Minimum order for printed freezing straws is 100 straws.

Customers may use a combination of upper and lower case letters on printed freezing straws; however, to ensure legibility, ARS recommends using all upper case letters on printed freezing straws.

Part Number	*Description*	*Price*
537-670-CLE-PS/100	Printed Freezing Straws (100/pkg)	**$12.75**

E-Z Freezin® Packet Stand

The E-Z Freezin® Packet Stand is used to hold up to three packets of E-Z Freezin® equine semen extender in an upright position and two 50ml centrifuge tubes. This stand is a convenient tool to use when filling straws during the freezing process.

(E-Z Freezin packets and cetrifuge tubes not included)

Part Number	*Price*
EZF-PS	**$17.30**

Sink Vacuum Aspirator Pump Kit

The Vacuum Aspirator Pump is used during the freezing process to remove the supernatant after centrifugation. The Vacuum Aspirator Pump kit includes a pump which connects to a laboratory faucet, 3 feet of clear plastic tubing, and 250 - 5.75" disposable Pasteur pipettes.

Part Number	*Description*	*Price*
537-785-Kit	Vacuum Aspirator Pump Kit	**$38.40**
	Replacement Parts	
537-785-02	Plastic Tubing, 3'	**$2.10**
537-506/250	Pasteur Pipette, 5.75" Tip (250/box)	**$23.60**
537-785-01	Vacuum Aspirator Pump	**$21.00**

20ml Disposable Weigh Boat

The 20ml Disposable Weigh Boat is ideal for holding the powder used to seal 0.5ml freezing straws. This 1 5/8" x 1 5/8" x 5/16" boat hold aproximately 20ml and the smooth polystyrene construction has an anti-static treatment that will not rub off or dissipate.

Part Number	*Description*	*Price*
537-814/500	20ml Disposable Weigh Boat (500/pkg)	**$47.30**

.5ml Clear PVC Freezing Straws

Freezing Straws are used to store semen for freezing. Each straw has a wick and powder plug at one end. After filling, the open end is sealed with Sealing Powder.

The .5ml Freezing Straws are manufactured from high quality virgin polyvinyl chloride.

Part Number	*Description*	*Price*
537-670-CLE/500	Freezing Straws, .5ml (500/bag)	**$39.60**
537-670-CLE/2500	Freezing Straws, .5ml (2500/bag)	**$169.40**

Bubbler Comb

The ARS Disposable Bubbler Comb is used to quickly insert the airspace into a 0.5ml straw. This unique design fits securely inside the mouth of a standard 50ml centrifuge tube and allows the user to recover the excess extended semen. Extended semen drained from the bubbler comb into the empty centrifuge tube can be used to fill additional straws. Sold in bags of 25.

Part Number	*Description*	*Price*
BC-101/25	Bubbler Comb (25/bag)	**$21.90**

Sealing Powder for Freezing Straws

This clear Sealing Powder for Freezing Straws seals instantly when it comes into contact with water. This powder is made of polyvinyl alcohol.

Part Number	*Description*	*Price*
537-671	Sealing Powder for Freezing Straws, (1 pound/bag)	**$17.30**

Thermocouple Thermometer

The Digital Thermometer uses type K thermocouples to accurately measure temperatures between -200ºC and 200ºC with a resolution of 0.1ºC. The temperature may be displayed on the screen using the Celsius or Fahrenheit scales. This dual channel device can measure two temperatures simultaneously or automatically calculate the temperature difference between the two thermocouples.

The Digital Thermometer is typically used to measure the temperature of a standing rack when it is submerged in nitrogen vapor during the freezing process. This product includes a single type K thermocouple with a 36" lead and a 9 volt battery.

Part Number	*Description*	*Price*
537-692	Digital Mini-Thermometer Kit, Dual Input	**$126.20**
537-693-K-36	Replacement Thermocouple for 537-692, "K" Type, 36" Lead	**$23.00**

Cryogloves

Cryogloves are recommended when working with Liquid Nitrogen. Protect hands and arms against the hazards of working in and with ultra-low temperatures to -160˚ C (-256˚ F). An essential accessory when working with Liquid Nitrogen, ultra-low temperature freezers, dry ice, and in coldrooms. Lightweight, breathable, and comfortable, Cryogloves are designed for use in cryogenic atmospheres, but are not suitable for immersion in LN_2. Available in Large and X-Large sizes.

Part Number	*Description*	*Price*
537-791-MA-LG	Cryogloves, Mid-arm Length, Large	**$138.60/PR**
537-791-MA-XLG	Cryogloves, Mid-arm Length, X-Large	**$138.60/PR**

Disposable Face Shield

A face shield is recommended when working with liquid nitrogen. This protective face shield is made of optical-grade 7mil polyester. Lens is treated with anti-fog and anti-static coating. The headpiece is held in place by a stretch strap and includes a latex-free, hypoallergenic foam band for comfortable extended wear.

Part Number	*Description*	*Price*
537-698	Disposable Face Shield	**$3.70**
537-698/25	Disposable Face Shield (25/bag)	**$67.20**

Safety Goggles

Safety goggles are recommended when working with liquid nitrogen. Clear, protective goggles are designed with indirect venting to offer maximum protection against chemical splashes. Goggles can be worn over most prescription frames. Supplied with adjustable elastic headband to ensure comfortable and secure fit. Regular size.

Meets ANSI Z87.1-1989 standards. CSA certified.

Part Number	*Price*
537-699	**$10.50**

Thermoregulated Water Bath

The Water Bath is excellent for thawing frozen semen straws and warming the E-Z Mixin® semen extender, or any other equipment that requires a fixed physiological temperature. The Thermoregulated Water Bath is factory calibrated to maintain water temperature at 37°C±0.5°C (98.6°F±0.9°F). The Thermoregulated Water Bath's convenient size (12.8"L x 11.5"W x 7"H) takes up minimal counter space, making it ideal for laboratories and indoor work areas. The Water Bath Kit includes an Instruction Manual, Transparent Plastic Lid and a Detachable Power Cord.

Part Number	*Description*	*Price*
586A-201	Thermoregulated Water bath (115V)	**$571.80**
586A-202	Thermoregulated Water bath (230V)	**$571.75**

Centrifuge

The Centrifuge (Model Centra CL-2) is used to process semen for freezing. The Centrifuge features an easy to use control panel, with adjustable rpm (revolutions per minute) and timer. The Centrifuge comes complete with a high quality Swinging Bucket Rotor that holds eight 50ml centrifuge tubes. The Rotor is designed to produce consistent, centered pellets. All Rotor accessories are included. The Centrifuge has a maximum rpm of 3100 when used with this rotor. The compact size of the Centrifuge maximizes laboratory space. The overall height is 11" with the cover closed and 24" with the cover open; the width is 13", and the depth is 16 inches. There is no brake on the Centrifuge, providing for more consistent, unbroken semen pellets. The Centrifuge also features a safety lock so that the cover cannot be opened while the rotor is in motion. 120V, 60Hz.

Part Number	*Description*	*Price*
537-740	Centrifuge (Model Centra CL-2) with Swinging Bucket Rotor	**$3,659.00**

Centrifuge Tubes and Caps

The 50ml Conical Centrifuge Tubes are used to hold semen extended with centrifugation media during centrifugation. These tubes are made from a premium polypropylene copolymer, with excellent clarity properties. The 50ml Conical Centrifuge Tubes can withstand temperature extremes of –40˚C to 125˚C, and high centrifugation of 6000 RCF. The tubes are printed with clearly visible 5ml graduations, have a large writing area, and are supplied with screw-on polyethylene caps for sealing the tubes during centrifugation.

Part Number	*Description*	*Price*
537-742/50	Centrifuge Tube w/Cap (50/bag)	**$12.60**
537-742/500	Centrifuge Tube w/Cap (500/box)	**$113.40**

Centrifuge Tube Rack

The centrifuge tube rack holds 21, 50ml centrifuge tubes and is made of durable plastic.

Part Number	*Price*
537-744	**$17.10**

Semen Freezing Forceps

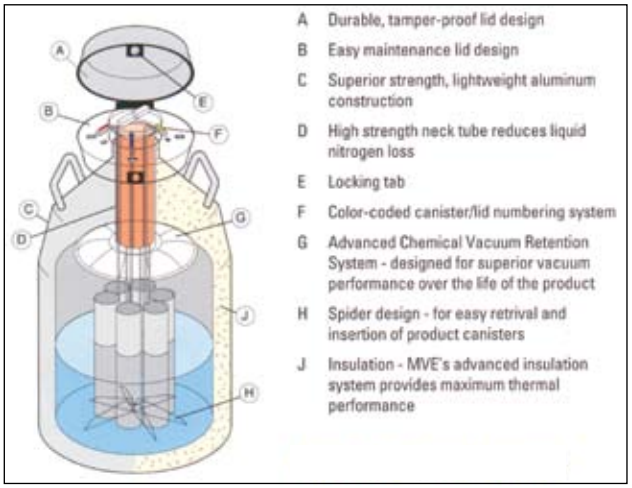
Semen Freezing Forceps are used to handle semen straws that are being processed and stored. These stainless steel Rochester-Pean style forceps are 12" in length with serrations running the length of the tip to provide a better grip. Large thumb and finger holes allow use with cryogloves.

Part Number	*Price*
SFF-101-12	**$18.90**

Storage Dewars

The Storage Dewars are used to store semen which has been packaged and frozen in liquid nitrogen. The Dewars are available in two sizes, standard and large, to accommodate frozen semen programs of all sizes. Storage Dewars keep semen frozen by being periodically refilled with liquid nitrogen. If an on-site refill service is not available in your area, it is recommended that an extra standard size Dewar be purchased for transporting the liquid nitrogen.

The straw capacity of each Dewar may vary, depending on how straws are packed. Normal working duration of each Dewar may vary significantly, depending on the level of liquid nitrogen and operator procedures.


A Durable, tamper-proof lid design
B Easy maintenance lid design
C Superior strength, lightweight aluminum construction
D High strength neck tube reduces liquid nitrogen loss
E Locking tab
F Color-coded canister/lid numbering system
G Advanced Chemical Vacuum Retention System - designed for superior vacuum performance over the life of the product
H Spider design - for easy retrival and insertion of product canisters
J Insulation - MVE's advanced insulation system provides maximum thermal performance

Model XC Millennium 20

The standard storage Dewar (Model XC Millennium 20) will hold up to 720 .5ml straws and includes six canisters and a cork. The liquid nitrogen capacity of this Dewar is 20.5 liters, and it has a normal working duration of 140 days. Canes and Goblets (see page 33) must be purchased separately.

Part Number	*Description*	*Price*
537-701	Storage Dewar, Standard (Model XC Millennium 20)	**$846.00**

Due to size and weight considerations, please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Model XC 47/11-6

The large storage Dewar (Model XC 47/11-6) will hold up to 4,500 .5ml straws and includes six canisters and a cork . The liquid nitrogen capacity of this Dewar is 47.4 liters, and it has a normal working duration of 76 days. Canes and Goblets (see page 33) must be purchased separately.

Part Number	*Description*	*Price*
537-711	Storage Dewar, Large (Model XC 47/11-6)	**$1,599.00**

Due to size and weight considerations, please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Roller Base

The Roller Base makes moving and general handling of a filled Storage Dewar much easier. There are two Roller Bases to choose from. ARS part number 537-714 is designed for the Model XC 47/11-6 while ARS part number 537-704 is for Model XC Millennium 20.

Part Number	*Description*	*Price*
537-714	Roller Base for Large Storage Dewar (Model XC 47/11-6)	**$267.00**
537-704	Roller Base for Standard Dewar (Model XC Millennium 20)	**$267.00**

Due to size and weight considerations, please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Vapor Shipper and Protective Shipping Carton

The Vapor Shipper (Model SC 4/3V) is designed for shipping semen that has been packaged and frozen in liquid nitrogen. It is "charged" by adding liquid nitrogen, but is actually dry when shipped. The vapor shipper has a static holding time of 21 days. The vapor shipper includes one canister, a cork, and has a .5ml straw capacity of 120 straws.

The Vapor Shipper Protective Shipping Carton holds the Vapor Shipper during shipping. The Protective Shipping Carton is specially designed to deter delivery companies from laying the container on its side or stacking other items on it. Laying the Vapor Shipper on its side may damage the vacuum mechanism or shorten its usable life.

Part Number	*Description*	*Price*
537-721	Vapor Shipper W/ 11" Canister (Model SC 4/3V)	**$1,029.00**
537-724	Vapor Shipper Protective Shipping Carton	**$356.00**

Due to size and weight considerations, please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Storage Dewar/ Vapor Shipper Corks

Storage Dewar/Vapor Shipper neck corks are available as replacements or spares to those included with the Storage Dewars or Vapor Shipper. Having a spare neck cork protects your valuable frozen semen stock in the event that the original cork is lost or damaged.

Part Number	*Description*	*Price*
537-703	Neck Cork For Model XC Millennium 20	**$48.00**
537-713	Neck Cork For Model XC 47/11-6	**$83.00**
537-723	Neck Cork for Vapor Shipper	**$80.00**

Please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Storage Dewars/ Vapor Shipper Canisters

Storage Dewar/Vapor Shipper canisters are available as replacements or spares to those included with the Storage Dewars or Vapor Shipper. Canisters hold the frozen semen packages within the Storage Dewars or Vapor Shipper.

Part Number	*Description*	*Price*
537-702	Canister For Model XC Millennium 20	**$40.00**
537-712	Canister For Model XC 47/11-6	**$53.00**
537-722	Canister For Model SC 4/3V	**$45.00**

Please allow for extra shipping time for these items. These items can only be shipped to locations within the United States.

Canes and Goblets

Canes are used to hold Goblets within the canister of a liquid nitrogen Dewar. Each Cane holds two 10mm Goblets. Canes are made of high quality aluminum. Each package contains 100 Canes.

Goblets are used to store .5ml frozen semen straws. Goblets have a 10mm diameter and hold five .5ml straws. The Goblets are made of high density polyethylene, with a reinforced bottom. Each package contains 200 Goblets.

Part Number	*Description*	*Price*
537-732/100	Aluminum Cane (100/bag)	**$25.20**
537-731/200	Goblet (200/bag)	**$35.70**

ARS Foaling Kits

When preparing for foaling season, it is recommended that mare owners have certain equipment and supplies on hand in preparation for a routine foaling or if an emergency situation occurs.

The ARS Foaling Kits contain all the essential supplies needed for routine management of the late-term mare and newborn foal, conveniently packaged in a portable box. Each kit includes the "Techniques In Equine Reproduction" book which includes chapters on pregnant mares, foaling and foal care. To help insure a successful birth it is important to work out a foaling plan with your veterinarian in advance. It is recommended that owners receive specific instructions or training from their regular veterinarian regarding appropriate use of obstetrical equipment, recognition of complications of the foaling process, and medical care of the newborn foal.

The Deluxe Foaling Kit (AFK-201) includes all of the items listed below. For mare owners who already have a Foal Resuscitator and Equine Colostrum Refractometer, the ARS Standard Foaling Kit (AFK-101) is available.

List of Contents of ARS Foaling Kits (AFK-101/AFK-201)

Qty.	*Kit Contents*	*Application*		*Reorder Part No.*	*Description*
		AFK-101	AFK-201		
1	Equine Colostrum Refractometer		X	ECR-101	Equine Colostrum Refractometer
1	E-Z Breather Foal Resuscitator		X	EB-101	E-Z Breather Foal Resuscitator
1	Plastic Toolbox For Deluxe Kit		X	PTB-201	Plastic Toolbox for Deluxe Kit
1	Plastic Toolbox For Standard Kit	X		PTB-101	Plastic Toolbox for Standard Kit
1	"Techniques In Equine Reproduction" Book	X	X	537-342	Techniques In Equine Reproduction
1	Surgilube Sterile Lube, 4.25 oz, Flipcap Tube	X	X	SSL-101	Surgilube Sterile Lube, 4.25 oz, Flipcap Tube
1	Glove, Plastic, 39" Sens Standard-Hand,Sterile, Individually Packaged (2/pkg)	X	X	SLG-106/25	Glove, Plastic, 39" Sens STD-Hand,Sterile, (25 Ind/Pkg)
1	Glove, Plastic, 35" Sens Vet-Hand,Sterile, Individually Packaged (2/pkg)	X	X	SLG-107/25	Glove, Plastic, 35" Sens STD-Hand,Sterile, (25 Ind/Pkg)
1	Naval Dipping Tube, Cap, Label, 50ml (2/pkg)	X	X	537-806/25	Naval Dipping Tube, Cap, Label, 50ml (25/pkg)
1	Vinyl Glove, Wrist Length, Large (4/pkg)	X	X	WLVG-108-L/100	Vinyl Glove, Wrist Length, Large (100/box)
1	Vinyl Glove, Wrist Length, Medium (4/pkg)	X	X	WLVG-108-M/100	Vinyl Glove, Wrist Length, Medium (100/box)
1	Fast Reading Digital Thermometer	X	X	THM-105	Fast Reading Digital Thermometer
1	1% Chlorhexidine Solution, 8 oz Bottle	X	X	CSD-101 CSD-101/12	2 %Chlorhexidine Solution, 16 oz 2% Chlorhexidine Solution, 16 oz, 12/pkg
1	Placenta Cord	X	X	CN-48/6	Cord, Nylon, 1/8" DIA (Nom), 50' Roll
1	Scissors, Stainless Steel, Mayo, 7"	X	X	CS-101	Scissors, Stainless Steel, Mayo, 7"
1	Speculum Light W/Batteries	X	X	537-664	Speculum Light W/Batteries
1	Umbilical Tape, 12" Length, 2/pkg	X	X	UT-101-12/2	Umbilical Tape, 12" Length, 2/pkg
1	Equine Umbilical Clamp, 2/pkg	X	X	UC-101/10	Equine Umbilical Clamp, 10/pkg
1	2% Chlorhexidine Scrub, 4 oz Bottle	X	X	CS2-101 CS2-101/4	Chlorhexidine Scrub, 2%, 1 Gal. Chlorhexidine Scrub, 2%, 1 Gal., 4/pkg
4	NI Test Submission Form	X	X	NA	Download Form at www.arssales.com
1	Placenta Bag	X	X	NA	NA
1	ARS Terry Towel, Blue, Approx. 20" x 40"	X	X	TTB-101/6	ARS Terry Towel, Blue, Approx. 20" x 40", 6/pkg
1	Dosing Syringe, Catheter Tip, 60cc	X	X	DS-60/20	Dosing Syringe, Catheter Tip, 60cc, 20/pkg
1	Cotton Gauze Square, 4" x 4", 4/pkg	X	X	CG-44/200	Cotton Gauze Square, 4" x 4", 200/pkg
1	Cohesive Bandage, Blue, 4" x 5 Yards/Roll	X	X	WCB-101/12 WCB-101/60	Cohesive Bandage, Blue, 12 Rolls/pkg Cohesive Bandage, Blue, 60 Rolls/pkg
1	Fleet Enema Twin Pack	X	X	FE-101	Fleet Enema, Twin Pack
1	Predict-A-Foal	X	X	PAF-101	Predict-A-Foal
2	250ml Plastic Colostrum Bottle W/Cap, Label, Sterile	X	X	537-800/6	Colostrum Bottle, Cap, Lbl, 250ml, Ster., 6/pkg
1	Collostrum Collection Cup	X	X	PMC-101-500	Measuring Cup, Plastic, 500ml
1	Stethoscope, Double-Head	X	X	DHS-101	Stethoscope, Double-Head
1	Nylon Obstetrical Strap, 60"	X	X	NOS-60	Nylon Obstetrical Strap, 60"
1	Nasal Aspirator	X	X	NA-101	Nasal Aspirator
4	Folding Disposable Funnel, "Mini" Size	X	X	FDF-101-MINI/12	Folding Disposable Funnel, "Mini" Size, 12/pkg

Deluxe Foaling Kit (AFK-201)

Part Number	*Description*	*Price*
AFK-101	Standard Foaling Kit	**$193.00**
AFK-201	Deluxe Foaling Kit	**$358.05**

Foal IgG Analyzer Kits and Supplies

Animal Reproduction Systems offers Foal IgG Analyzer kits and upgrades, based on our 590 and 591 Densimeters.

Please see pages 13 and 15 for more information.

Equine Colostrum Refractometer

The ARS Equine Colostrum Refractometer is a portable instrument for analyzing mare colostrum quality. Only a few drops of colostrum are required and the entire test can be completed in less than a minute. The ARS Equine Colostrum Refractometer features automatic temperature compensation for enhanced accuracy over an operational range of 10°C - 30°C (50°F – 86°F).

Knowing the colostrum quality of the mare, immediately after foaling, allows the owner and veterinarian to determine if additional high quality colostrum will be needed by the foal. The results from this test can also be used to identify suitable mares for colostrum banking.

Part Number	*Description*	*Price*
ECR-101	Equine Colostrum Refractometer	**$78.70**

E-Z Breather™ Foal Resuscitator

The ARS E-Z Breather ™ Foal Resuscitator is a portable ventilation system for use on newborn foals when emergency resuscitation is needed.

The E-Z Breather ™ is easy to setup and can utilize ambient air, or supplemental oxygen if available.

Part Number	*Description*	*Price*
EB-101	E-Z Breather™ Foal Resuscitator	**$92.40**

E-Z Pass™ Foal Enema Kit

E-Z Pass™ Enema Kit is an Acetylcysteine Enema designed for use in newborn foals with meconium impaction. The mucolytic properties of Acetylcysteine make this product highly effective in providing relief to newborn foals. The E-Z Pass™ Enema Kit includes all materials and supplies required, and is completely disposable. Studies have shown that up to three applications may be necessary for successful treatment of meconium impaction. The E-Z Pass™ Enema kit includes three packets (treatment doses) in case repeated administration is required.

The E-Z Pass™ Enema packets can also be purchased in bulk as individual packets for veterinarians and large farms who wish to provide their own supplies.

This enema should be used under the advice and recommendation of a veterinarian.

Part Number	*Description*	*Price*
EZPF-101	E-Z Pass™ Foal Enema Kit	**$51.70**
	Replacement Parts	
EZPF-101-EP/12	12 E-Z Pass™ packets	**$120.00**
FDF-101-MINI/12	Foldable disposable funnel, (12/pkg.)	**$8.40**

Fleet Enemas, Twin Pack

Fleet Enemas are sodium phosphate enemas that can be used to prevent or treat initial or minor meconium impaction in newborn foals. The enemas come ready to use in single-use squeeze bottles with pre-lubricated tips. 2 enemas per pack.

Part Number	*Description*	*Price*
FE-101	Fleet Enema, Twin Pack	**$6.00**

Umbilical Tape

Umbilical Tape is used to prevent excessive bleeding of the umbilical stump and to help prevent the introduction of navel infections. This product is an alternative to the umbilical clamp. Umbilical Tape is non-sterile and made from spun polyester. Available in a 20 yard roll.

Part Number	*Description*	*Price*
UT-101	Umbilical Tape, 20 Yd. Roll	**$7.40**

250ml Plastic Colostrum Bottle

Freezable, leak-proof and sterile, these 250ml bottles are the ideal for storing colostrum for later use. A label is included to record the mare and colostrum information directly on the bottle. Sold in boxes of 6 bottles.

Part Number	*Description*	*Price*
537-800/6	250ml Plastic Colostrum Bottle, 6/pkg	**$44.80**

Nasal Aspirator

The Nasal Aspirator is used to clear mucus from the nasal passages of a newborn foal when necessary. This simple one handed design produces a gentle suction that is comfortable for the foal and effective. This product is easy to clean and disinfect for subsequent uses.

Part Number	*Description*	*Price*
NA-101	Nasal Aspirator	**$6.00**

500ml Plastic Measuring Cup

The 500ml Plastic Measuring Cup can be used to collect colostrum from a mare for freezing or bottle feeding a foal. The cup is graduated for easy measurement of volume in millimeters, ounces or cups. A handle and pour-spout aid in transferring the colostrum into storage or feeding bottles. Non-sterile.

Part Number	*Description*	*Price*
PMC-101-500	500ml Plastic Measuring Cup	**$6.30**

Obstetrical Strap

This strap can be used to safely apply traction to the fetus if the birthing process has halted. The strap is 2-ply nylon with heavy duty plated D-rings and is designed for strength and durability.

Part Number	Description	Price
NOS-60	Obstetrical Strap, Nylon, 60"	**$8.60**

Predict-A-Foal

The Predict-A-Foal™ Kit is a Mare foaling predictor kit and will determine whether she will be foaling within 12 hours. Safe and easy to perform, the test kit is designed to test for levels of cations in the colostrum. The Predict-A-Foal™ user guide educates expecting horse owners in detecting the signs of parturition, when to begin testing, a step-by-step guide to testing procedures and interpreting test results. The Predict-A-Foal™ kit includes supplies for 15 test and additional test strips can be purchased separately.

Part Number	Description	Price
PAF-101	Predict-A-Foal	**$42.00**
PAF-101-TS	Predict-A-Foal, 15 Test Strips	**$23.70**

60cc Dosing Syringe

The 60cc Dosing Syringe can be used to orally medicate newborn foals under a veterinarian's direction. The catheter tip opening allows quick effective dispensing into the foal's mouth and the rubber plunger is easy to operate one handed. Graduations in both ounces and milliliters are provided. Available in boxes of 20, this item is non-sterile.

Part Number	Description	Price
DS-60/20	60cc Dosing Syringe, 20/pkg	**$30.70**

Umbilical Clamps

Umbilical Clamps can be used when it is necessary to cut the umbilical cord. In some cases, the umbilical cord does not break naturally, or may need to be cut before it can break naturally. An umbilical clamp will prevent the umbilical stump from bleeding excessively and help prevent navel infection in these situations. Can be used as an alternative to umbilical tape. Individually wrapped and sterile.

Part Number	Description	Price
UC-101/10	Umbilical Clamps	**$10.45**

Udderly EZ Milker *by EZ Animal Products, LLC*

The safest and most effective milk and colostrum collection device available. The hand-held trigger-operated pump snaps on a flanged plastic extraction cylinder. The Mare Milker comes packaged with two sizes of extraction cylinders. The #1 Small extraction cylinder accommodates small or maiden mares, sheep and goats. The #2 large extraction cylinder is for older or larger mares, miniature cattle and larger exotic animals. The extraction cylinders have been specially designed to fit the unique shape of a mare's udder and have a rolled surface to prevent harm to the udder. One hand operation is gentle on the mare, making it safe and easy to milk colostrum. Great for milking mastitis mares. Ideal for foals who inherit a different blood type than the dam and are at risk for neonatal isoerythrolysis. Patented pump is manufactured with the highest quality engineered composite materials.

The Mare Milker comes packaged with two 16 oz. colostrum collection bottles.

- One hand operation is gentle on the mare, making it safe and easy to milk colostrum.
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- Patented pump is manufactured with the highest quality engineered composite materials.
- The Mare Milker comes packaged with two 16 oz. colostrum collection bottles.

Udderly EZ Milker Colostrum Collection Bottles

- Specially designed plastic see-through 16 oz. colostrum collection bottles with rubber O-ring on top to assure vacuum when attached to the Mare Milker.
- Packaged two 16 oz. bottles per carton or 12 bottles per case.

Udderly EZ Milker Carry Bag

Handy nylon carry bag holds the Mare Milker, spare bottles, all accessories and foaling supplies.

Part Number	Description	Price
UEZ Milker	Udderly EZ™ Milker (Includes two Collection Bottles)	**$160.00**
UEZ-CCB/2	Udderly EZ™ Colostrum Collection Bottles, 2 Pk	**$10.50**
UEZ-CCB/12	Udderly EZ™ Colostrum Collection Bottles, (12/case)	**$41.00**
UEZ-MCB	Udderly EZ™ Milker Carry Bag	**$42.00**

Povidone Iodine Scrub

Prevents and treats fungal and bacterial skin infections in animals. A germicidal cleanser for pre-operative and post-operative skin washing, and a shampoo for bacterial and fungal skin infections in animals. When used routinely, helps prevent infection in cuts, scratches, abrasions and burns. Non-staining to skin, hair and natural fabrics.

Active Ingredient(s): 0.75% Titratable Iodine

Part Number	*Description*	*Price*
PSGC-101	Povidone Iodine Scrub, 32 oz.	**$8.40**
PSGC-101/6	Povidone Iodine Scrub, (6/case)	**$40.10**

Povidone Iodine Solution

Broad-spectrum antimicrobial solution containing 5 % povidone-iodine. May be used as an antiseptic on wounds, abrasions and burns, as a skin disinfectant prior to surgery and as a topical treatment for skin infections. Also used as a navel disinfectant (dip solution) by diluting with sterile water.

Part Number	*Description*	*Price*
PSAM-101	Povidone Iodine Solution, 32 oz.	**$8.40**
PSAM-101/6	Povidone Iodine Solution, (6/case)	**$40.10**

Priority Care General Lube

This All Purpose Non-Spermicidal Lubricating Jelly is recommended for palpation procedures under veterinary supervision. This product is not recommended for semen collection or artificial insemination procedures. Bland lubricating qualities aid in minimizing irritation to an animal's membranes. Sold in 1 Gallon Jugs. For animal use only. Case of 4 includes pump.

Part Number	*Description*	*Price*
PCGL-101	1 Gallon	**$15.00**
PCGL-101/4	1 Gallon (4/case), Pump	**$52.80**
PCGL-102	Pump	**$4.20**

500ml Wash Bottle

Perfect for cleanup. Handy 90 degree spout applies solution where you want it. Made of durable, low density polyethylene. Natural color.

Part Number	*Description*	*Price*
537-690	Wash Bottle, 500ml, Plastic	**$6.30**
537-690/6	Wash Bottle, 500ml, Plastic (6/Case)	**$34.10**

Chlorhexidine Scrub

Contains chlorhexidine gluconate 2% which exhibits bactericidal activity against a wide range of micro-organisms.

Part Number	*Description*	*Price*
CS2-101	Chlorhexidine Scrub, 1 Gal.	**$31.50**
CS2-101/4	Chlorhexidine Scrub, 1 Gal. (4/case)	**$119.50**

Chlorhexidine Solution

Topical aqueous cleaning solution containing 2 % chlorhexidine gluconate. Provides broad-spectrum antiseptic or antimicrobial activity. May be used to treat superficial cuts, abrasions or insect stings. Also used as a navel disinfectant (dip solution) by diluting with sterile water. Chlorhexidine solution is also used as part of the protocol to clean and disinfect artificial vagina liners.

Part Number	*Description*	*Price*
CSD-101	Chlorhexidine Solution, 16 oz.	**$6.75**
CSD-101/12	Chlorhexidine Solution, 16 oz., (12/case)	**$60.30**

ARS E-Z Lube Mix

Large amounts of non-sterile obstetrical lubricant are routinely used for reproductive evaluation examinations. Shipping and storage of pre-made lubricant can be problematic and expensive. ARS E-Z Lube is a powder formula that mixes with water to create a lubricant ideal for rectal palpation. The powder is light weight and convenient to store. ARS E-Z Lube comes packaged in a twelve pack of pouches that make 1 gallon each. It can be mixed one gallon at a time, or several gallons at once. Not recommended for collection or insemination. Non-sterile for rectal palpation only.

Part Number	*Description*	*Price*
PLM-101/12	E-Z Lube, 12/pkg	**$44.10**

Betadine® Surgical Scrub

Betadine Surgical Scrub is the tame iodine solution recommended to wash the outside of the mare prior to insemination. Betadine Scrub contains 7% Povidone-Iodine and is sold in 1 gallon bottles. An optional Gallon Pump is available separately which will dispense approximately 30ml per pump.

Part Number	*Description*	*Price*
537-695	Betadine Surgical Scrub, 1 Gal.	**$48.60**
537-695/4	Betadine Surgical Scrub (4/case)	**$184.70**
537-694	Pump	**$4.20**

ARS Terry Towel

This blue 100% cotton towel is 20" by 40" and is more absorbent than cotton-blend towels with a soft, gentle feel. This towel can be used to rub down a newborn foal or for general farm purposes.

Part Number	*Description*	*Price*
TTB-101/6	ARS Towel, 6/pkg	**$24.10**

Double-Head Stethoscope

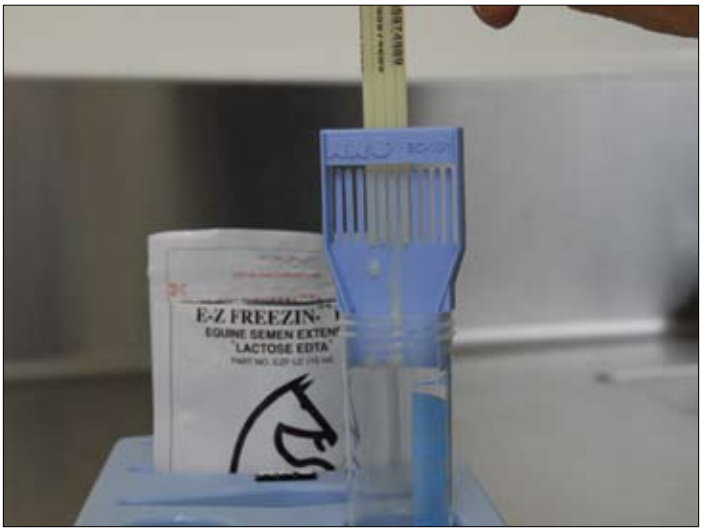
The Double-Head Stethoscope is used to check and monitor the heart rate of a newborn foal. Can also be used to monitor heart and respiration rates in older horses showing signs of illness. Made with a zinc alloy head, stainless steel binaural and latex tubing.

Part Number	*Price*
DHS-101	**$12.60**

Fast-Reading Digital Thermometer

The Fast-Read Digital Thermometer 9 second measurement time is ideal for checking the temperature of a new born foal. The Night Light Display is easy to read and shows the temperature in either Fahrenheit or Celsius.

Part Number	*Price*
THM-105	**$15.45**



Palpation Gloves

The High Sensitivity Small Hand Palpation Sleeves are 34" long, non-sterile and ideal for people who find most palpation gloves too large for their hands. These sleeves are durable and provide the highest sensitivity available. Sold in boxes of 200.

Part Number	*Description*	*Price*
SLG-108-BOX/200	Palpation Gloves	**$35.55**

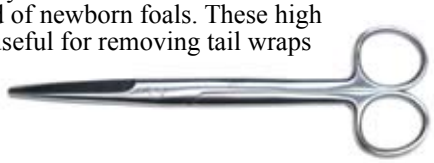
Cotton Gauze 4x4's

These 4" by 4" cotton gauze squares are recommended to filter dirt and debris from the colostrum when transferring to a storage or feeding bottle. Cotton Gauze pads also have multiple general uses. Package of 200 squares.

Part Number	*Description*	*Price*
CG-44/200	Cotton Gauze SQ, 4"x4", 200/pkg	**$12.60**

Stainless Steel Mayo Scissors, 7"

The 7" Stainless Steel Mayo Scissors are ideal for cutting the umbilical cord of newborn foals. These high quality scissors are also useful for removing tail wraps and removing bandages.



Part Number	*Description*	*Price*
CS-101	Stainless Steel Mayo Scissors, 7"	**$6.90**

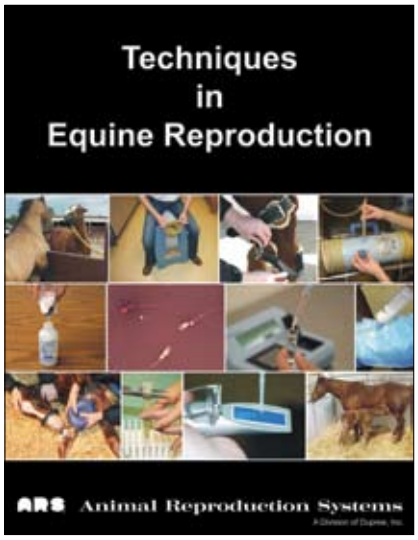
Cohesive Bandage

The CoTear™ Cohesive Bandage is a self-adhering and easy to tear wrap. This bandage wrap is 4" wide and 5 yards long. Ideal for wrapping the mare's tail prior to foaling and also for general ranch use.

Part Number	*Description*	*Price*
WCB-101/12	Woven Cohesive Bandage, 12/pkg	**$36.90**
WCB-101/60	Woven Cohesive Bandage, 60/pkg	**$166.00**

"Techniques In Equine Reproduction" Book

"Techniques In Equine Reproduction" first edition is a full color comprehensive guide to equine reproduction. This book contains the latest information on collection, evaluation, and insemination of fresh, cooled and frozen semen. In addition, information on the mare, pregnancy, and foaling is included.



Part Number	Price
537-342	**$23.10**

Terg-a-zyme® Detergent Powder

Terg-a-zyme Detergent Powder is recommended for cleaning laboratory glassware, latex liners and bladders. It is concentrated, biodegradable and leaves no residue. Each four pound carton makes up to 52 gallons of cleaning solution.

Terg-a-zyme® Detergent Powder features the added benefit of a protein enzyme. It is recommended for cleaning items that may contain a protein residue such as laboratory glassware, latex liners and bladders. It is concentrated, biodegradable and leaves no residue. Each four pound carton makes up to 52 gallons.

Part Number	Description	Price
TAZ-101	Terg-a-zyme® Cleaner	**$28.90**
TAZ-101/9	Terg-a-zyme® Cleaner, (9/case)	**$233.90**

Vinyl Wrist Length Exam Gloves

The Vinyl Wrist Length Exam Gloves are recommended for general laboratory and exam work. These gloves are powdered and contain no natural rubber latex. Each box contains 100 gloves.

Part Number	Description	Price
WLVG-108-S/100	Wrist Length Exam Gloves, Vinyl, Small (100/box)	**$13.20**
WLVG-108-M/100	Wrist Length Exam Gloves, Vinyl, Med (100/box)	**$15.80**
WLVG-108-L/100	Wrist Length Exam Gloves, Vinyl, Large (100/box)	**$13.20**

Disposable Funnel

The disposable funnel allows convenient, spill-free pouring of E-Z Pass™ powder into the enema bottle. Made of coated, heavy-grade paper stock, this versatile funnel may be used for pouring other powders and liquids. Supplied in packages of 25.

Part Number	Price
FDF-101-MINI/25	**$16.75**

Uterine Lavage Catheter

This larger diameter 36 French catheter is ideal for large volume uterine lavages or flushing embryos. The Uterine Lavage Catheter is 100% silicone, 31" in length, and has an 80cc inflatable cuff. This item comes individually wrapped and sterile. Autoclavable.

Part Number	Price
SCS-102-3631	**$57.80**

Kimwipes®

Kimwipes® are an extra low linting tissue that will not scratch or contaminate most delicate surfaces. They will easily wipe up both liquid and dust and are highly absorbent. The dispenser is anti-static to reduce electrostatic charge. Each box contains 280 wipes. Kimwipes® are recommended for removing excess fluid from the pipette tip prior to dispensing into a test Cuvette.

Part Number	Price
537-669	**$5.00**

Rolled Utility Cotton

Rolled Utility Cotton may be used to clean the mare prior to insemination. Each one pound roll contains approximately 1' x 10' of cotton.

Part Number	Description	Price
RUC-101	Rolled Utility Cotton	**$7.30**
RUC-101/12	Rolled Utility Cotton, (12/case)	**$81.00**
RUC-101/25	Rolled Utility Cotton, (25/case)	**$160.00**

Equitainer Shipping Containers

Equitainer I

Perfect for international shipping and for those times when you need an extra cushion of time, the Equitainer I offers the longest maintenance of your shipped semen. (We even had one customer tell us that a shipment delivered 5 days post-collection, due to a customs delay, still resulted in conception!) The Equitainer I also provides the highest level of protection against potential x-ray induced damage of the enclosed semen sample.

The Equitainer I has been designed to provide durability, convenience and sample protection. Features include:

- Built-in x-ray protection: x-ray shielding in the Equitainer I lid reduces potential harmful effects of airport x-rays
- Redesigned Isothermalizer: uses centrifuge tubes for easy sample handling (also perfect for shipping cooled embryos) and features built-in x-ray protection
- Recessed latch: increases durability during shipping and protects against bent latches
- Recessed hinge: increases durability during shipping and prevents "popped" rivets
- In-mold graphics: helps maintain a "just-like-new" appearance

Equitainer Tube Style

1 Equitainer I Container
1 Tube Style Isothermalizer
2 Freezer Cans
6 Centrifuge Tubes
1 Spring Lock
Warning Label
Instruction Booklet

Equitainer Cup Style

1 Equitainer I Container
1 Cup Style Isothermalizer
2 Freezer Cans
2 Ballast Bags
1 Sterile Cup
1 Spring Lock
Warning Label
Instruction Booklet

Part Number	*Description*	*Price*
EQSH-TUBE-101	Equitainer I Shipper, Tube Style	**$230.00**
EQSH-CUP-101	Equitainer I Shipper, Cup Style	**$230.00**
EQ-FC-101/2	Equitainer Freezer Can (2/pkg)	**$27.30**
EQ-BB-101/4	Equitainer Ballast Bag, 4/pkg	**$12.60**

Clipper

The Clipper is the newest member of the Equitainer family of products. Combining the "gold standard" technology of the Equitainer with the cost-effectiveness of a disposable shipper, the revolutionary Clipper gives you both the reliability and value you need. Includes 2 Air-Tite 50cc syringes.

Part Number		*Price*
EQSH-CLIP-101	Equitainer Clipper Disposable Shipper, 2-50cc Syringes	**$27.90**
EQSH-CLIP-101/12	Equitainer Clipper Disposable Shipper, 2-50cc Syringes, Box of 12	**$327.60**

Ordering & Shipping Information

How To Order: Orders may be placed by telephone, fax, mail, email, or from our web site at www.arssales.com. Call (800) 300-5143 or, from outside the U.S., (909) 393-6670, 8:00 a.m.- 4:30 p.m. Pacific Time, Monday through Friday or fax us at (909) 597-3043. To email an order, send it to sales@arssales.com.

Shipping And Delivery Information: Orders containing stock products and equipment will be shipped the next business day via UPS Ground, unless otherwise specified by the customer at the time of order. Orders placed by 10:00 a.m. Pacific Time will usually be shipped the same day, with the exception of E-Z Freezin® Semen Extenders, which ship on Tuesdays. All other orders ship the following business day. UPS requires a complete street address to assure proper delivery. UPS will not deliver to P.O. Boxes. Orders shipped outside the U.S. will be shipped via the carrier specified by the customer at the time of order. Will Call hours are 11:00 a.m. to 3:00 p.m.

All shipping charges are collect to the customer, or pre-paid by the customer before shipment is made (FOB Chino, California). Please consult Animal Reproduction Systems for determining shipping and handling charges for U.S. and international destinations. Extra shipping costs may apply to item(s) if shipped by air.

Dimensional Weight is a standard formula used throughout the airfreight industry that considers density when determining charges. The calculations are used to consider the amount of space a package will take up on an aircraft in relation to the actual weight of the package. When shipping by air, the package's/shipment's actual weight is compared to the dimensional weight and the larger of the two weights is the billable weight and will be used to calculate the shipping rate.

INTERNATIONAL CUSTOMERS: Shipping rates quoted do not include duties, taxes or other non-routine customs brokerage charges. You are responsible for these fees and may be billed directly from the freight forwarder.

Terms Of Payment: VISA, MasterCard, Discover Card, American Express or payment in advance. When payment is mailed with an order, please pay by check or money order- do not send cash. Customers outside the U.S., please note: Payment is to be made in U.S. dollars drawn on a U.S. bank.

Returns: Due to the sensitivity of A.I. products, some items cannot be accepted for return. Items approved for return will be evaluated before a credit is given. All returns are subject to a 25% restocking charge and/or a minimum restocking fee. Please contact our order department for return authorization prior to shipment. All unauthorized returns will be refused and returned to the sender.

E-Z Mixin® and E-Z Freezin® Semen Extenders are not returnable.

Animal Reproduction Systems warrants all items delivered to buyer to be free from defects, and as described in our current catalog.

Special E-Z Mixin® Shipping Instructions*

NOTE: Due to the sensitivity of all milk-based products, return of E-Z Mixin® Semen Extender is not accepted.

E-Z Mixin® Semen Extenders are sold by the Animal Reproduction Systems division of Dupree, Inc. under exclusive license with the Colorado State University Foundation. The formula for these complete Extenders was evaluated by Colorado State University Animal Reproduction and Biotechnology Laboratory. Each E-Z Mixin® lot is evaluated by the Colorado State University Animal Reproduction and Biotechnology Laboratory to ensure a superior product.

Shipping Day	Shipping Method
Monday	3 Day Service
Tuesday	3 Day Service
Wednesday	2 Day Service
Thursday	Next Day Service

*ARS BLUE™ may be shipped Ground Service and has no special shipping requirements.

E-Z Freezin® Shipping and Packaging:

Frozen, Overnight Shipping Required. **E-Z Freezin® Semen Extender orders will be shipped on Tuesdays** using overnight service to minimize the risk of thawing. Because this product requires an insulated inner container, dry ice, and an outer corrugated box for shipment, a packaging fee will be added to each order. A $20.00 packaging fee will be applied to orders of 10 packets or less. A $25.00 fee applies to orders of 11-40 packets. Please call for the packaging fee for a larger order and shipping costs to your location.

Note: Due to the temperature sensitivity of this product, return of E-Z Freezin® Semen Extender is not accepted.

All E-Z Freezin® orders must be placed before 4:30 pm Monday to ship out on Tuesday.

Limited Liability Statement

DUPREE, INC., a corporation ("SELLER" or "DUPREE"), warrants to the original purchaser only that the products sold by its Animal Reproduction Systems Division shall be free from defects in material and/or workmanship WHEN DELIVERED BUT NOT THEREAFTER. The purchaser must examine such products immediately upon receipt thereof and determine whether the same conform to the description thereof as set forth in the product instruction manual accompanying this Limited Warranty Statement. If any such product does not conform to any of the instruction manual descriptive criteria provided by SELLER with this statement, or if any such product appears to be defective in any respect, such product shall be immediately returned to SELLER for replacement and/ or repairs as appropriate to the product. Such inspection and return of any allegedly defective product shall be made within five (5) days from the date of delivery thereof to the original purchaser and, if not so returned, this WARRANTY shall be void and of no effect whatsoever. Any allegedly defective product returned for repair or replacement within said five day period will be repaired or replaced and reshipped to the original purchaser within ten (10) days after return of the defective product to SELLER. The restrictive and limited nature of SELLER'S warranty obligations as herein set forth is required by reason of the character of the products and the circumstances and conditions under which the same are likely to be used. The warranty obligations of SELLER shall be limited to repair or replacement of any allegedly defective product as set forth above and DUPREE shall not be liable or responsible under any circumstances or in any amount for incidental or consequential damages or for injury or damage to persons or property using or used in connection with any of such products, whether or not defective, or for loss of profits or other costs, expenses or charges of any kind whatsoever. SELLER'S warranty obligations as set forth above shall be absolutely void if the allegedly defective product is not returned to SELLER within the five day inspection period set forth above, or if the product is misused, neglected or damaged, or if the instructions for its use as set forth in the accompanying data sheet have not been strictly followed, or if anyone other than SELLER has made any attempt whatsoever to repair or to alter the product in any respect. There are no warranties or representations by SELLER other than as set forth herein, either express or implied, as to any of the products or the origin thereof or any other matter relating thereto, and no person, firm or corporation is authorized to make any representation or to incur any obligation in the name or on the behalf of DUPREE, contrary to any of the provisions or conditions of this statement. EXCEPT TO THE EXTENT EXPRESSLY PROHIBITED BY APPLICABLE LAW, THE FOREGOING LIMITED WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF FITNESS OR MERCHANTABILITY. Specifications of items listed in this catalog are subject to change without notice.

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